



INDUSTRY APPLICATIONS SOCIETY

PULP & PAPER INDUSTRY COMMITTEE

MINUTES of the INTERIM FULL COMMITTEE MEETING

**2009 PPIC INTERIM COMMITTEE MEETING
The Westin Atlanta Airport Hotel, Atlanta, GA
Monday, October 19, 2009**

FULL COMMITTEE MEETING

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**IEEE/IAS PULP & PAPER INDUSTRY COMMITTEE
2009 PPIC INTERIM MEETING
MINUTES OF THE FULL COMMITTEE
Westin Atlanta Airport Hotel, Atlanta, GA**

October 19, 2009

1. WELCOME AND INTRODUCTIONS

Dave Durocher called the meeting to order at 1:10 PM. He welcomed everyone to Atlanta and the Full committee meeting. He then asked everyone in turn to introduce him or herself. A meeting sign-in sheet was circulated for all attendees to indicate their presence.

2. REVIEW/APPROVAL OF MINUTES OF FULL CONFERENCE MEETING

Alex Wu reported that the full committee minutes from the Birmingham full conference meeting were issued on October 8, 2009. Blake Lloyd posted the minutes of meeting on the committee website www.pulpandpapercommittee.com. Warren Hopper motioned to approve the minutes and was seconded by Alan Lowe. The minutes were approved by the full committee.

3. EXECUTIVE COMMITTEE REPORT

Alex Wu reported that 12 members were in attendance at the Executive Committee meeting. The meeting was held on Sunday from 5:35 PM to 7:38 PM. Some of the topics of interest were: 1) Rhonda Banks has published the 2010 Author's guide, which shall eliminate some confusion encountered by the authors last year. 2) Dave Durocher will present his proposal at the next meeting to amend the Operation Guide for the purpose of encouraging greater participations and technical contributions from the experienced members. 3) The executive committee has approved the proposed changes in the Meritorious Award Criteria, which intend to objectify the evaluation process.

4. TREASURER'S REPORT/CONFERENCE AUDITS

John Kay reported the following information regarding past and future conferences:

a) 2005 Conference – Richard Butler

Rich reports his conference is **CLOSED**.

b) 2006 Conference – Duncan Rhodes

Audit is complete. A surplus of \$67,000 has been sent to IEEE. **CLOSED**

c) 2007 Conference – John Malinowski

Audit was completed with a surplus of \$47,891 returned to the IEEE. **CLOSED**

d) 2008 Conference – Richard Turner

There were final negotiations with the hotel went on late into Dec. 2008. The audit has yet to complete but the expectations are for a surplus of \$4,300 (less \$900) for IEEE audit.

e) 2009 Conference – Robert Adams

Continue to work with Robert's team as they monitored their costs/budgets. They have closed their books with a positive return.

f) 2010 Conference – Peter Baen

Reviewed and made changes to the 2010 budget. Changes with the conference treasurer have been confirmed and budget has been approved.

g) 2011 Conference- No Chair

John Malinowski has started a preliminary budget for review.

5. STANDING SUBCOMMITTEE REPORTS

A) MEMBERSHIP

Alan Lowe reported that our current committee membership is 130. Since the annual conference in June 2009, we have had the following changes in membership:

- Rachel Bugaris
- Pam Gold
- Brian Gunter
- Bob Vandenabeele
- Craig Wester
- Patrick Whatley

We currently have no applications pending.

At the annual meeting in June we had 61 members present, 23 members with excused absences and 40 members with unexcused absences.

92 members or 72% of our current membership are at a member grade of Senior Member or higher. The job sector distribution of our membership is as follows:

- 79 Vendors
- 27 Consultants
- 20 Mill people
- 2 Academic
- 2 Retired

B) MAILING LIST

John Kay reported:

He used the registration list from the Birmingham committee and reconciled that data to the master mailing list. He also updated the data based on the mark ups of the mailing list documents displayed at the conference.

The following is an update and report,

Total Entries	2657	
Stale Entries	559	[no attendance since 1998]
Entries removed this year	138	[no attendance since 1999*]

Added in 2009 to-date	17	
Entries with Email address	1999	76% (<u>70.5%</u>)

Approximately 375 entries are marked for removal at the end this year (no attendance for the last 10 years AND no valid email address.

C) PUBLICITY

Rob Boteler reported that the Birmingham conference news will be published in Nov/Dec 2009 IEEE Industry Application Magazine.

D) PAPER AWARDS AND PUBLICATIONS

Mark Weaver reported that the following papers have been accepted by the IEEE Magazine and Transaction respectively:

IEEE Industry Application Magazine

“Advancements in Technology Create Safer & Smarter HRG Systems” by Tony Locker

“Commutation of DC Motors Operated at Reduced Field Current” by Richard Hall

“The Identification of Opportunities to Improve Pump System Maintenance and Reduce System Energy Losses” by Roger Lawrence

IEEE Transactions on Industry Applications

“Digital Implementation Issues of Electronic Line Shafting” by Anibal M. Valenzuela

“Simple and Reliable Model for Thermal Protection of Variable Speed Self-Ventilated Induction Motor Drives” by Anibal M. Valenzuela

“Experimental Evaluation and Modeling of Condensate Effects in Dryer Cylinders” by Anibal M. Valenzuela

“Calculating Incident Energy Released with Varying Fault Magnitudes” by David Loucks

E) PPIC AWARDS

Dave Durocher reported that there is one nomination for the Meritorious Engineering Award and a few nominations for the Meritorious Service Award. The executive committee will make the selection based on the newly approved changes in the Meritorious Award Criteria

F) FELLOWS NOMINATIONS

John Kay reported:

Two nominations from our committee were submitted again to the 2010 IEEE Fellows Review Committee.

Mr. Blake Lloyd’s nomination has been resubmitted for consideration via another conference and John A. Kay’s nomination has also been resubmitted as well.

The IEEE Fellows Review Committee does not issue their report until late November so we will not know until next year's conference if either candidate were successful.

The Fellows Program was established to recognize and honour outstanding members for their significant accomplishments in the advancement or application of engineering, science, and technology and for their contributions to the mission of the IEEE.

The IEEE Fellows are an elite group from around the globe. The IEEE looks to the Fellows for guidance and leadership as the world of electrical and electronic technology continues to evolve. To be considered for nomination, you must hold a Senior Member grade at the time the nomination is submitted and shall have been a member in good standing in any grade for a period of five years or more preceding 1 January of the year of elevation.

Nominations are now being accepted for the IEEE Fellows class of 2011. The deadline for nominations is **1 March 2010**. John will assist in the process on individual's behalf who is worthy of this nomination. Nomination forms normally need to be completed and submitted by February.

6) LIAISON REPORTS

A) IEEE/IAS

Dave Durocher reported that PPIC has been an active and contributing member of IAS. Blake Lloyd is the IAS president elect for year 2013-2014 and Dave Durocher is the current Process Industries Department Chair. PPIC 's participation has enabled PPIC to benefit as members of IAS in areas such as Society co-funding of the James A Rooks Student Intern program.

IAS members now have access to ALL papers published in proceedings from society conferences utilizing IEEE Xplore, starting January 2009.

B) PAPTAC (Formerly CPPA)

John Kay reported:

Total attendance at EXFOR® and Annual Meeting 2009, sponsored by the Pulp and Paper Technical Association of Canada was 1,045 (1166 for 2008) participants from 12 countries. Taking place at the Fairmont Queen Elizabeth Hotel from February 3-4, this year's event featured technical and business tracks along with the EXFOR Tradeshow and all activities ran simultaneously on the convention floor.

PAPTAC presented awards to 34 individuals and companies during the Annual Meeting as part of the national awards program.

PAPTAC will be holding EXFOR® and their Annual Meeting from February 2-3 2010 at the Fairmont Queen Elizabeth Hotel in downtown Montreal.

C) TAPPI

Burt Judson reported that TAPPI held a successful drive system 8-hour short course in 2009 PPIC conference in Birmingham, AL. There were 18 people in the class including 14 mill people. A net \$500.00 income will be shared between local IEEE and TAPPI. TAPPI is considering a future 1-1/2 day course with regard to "How to calculate drive HP".

D) IEEE - STANDARDS

John Malinowski reported through email that IEEE 841-2009 Standard for Severe Duty Motors 1 – 500 HP released in August and available for purchase. The standard basically was updated to match the motors being built. NEMA Premium efficiency was adopted for 2-4-6 pole motors. A paper on this topic will be given on at next year's conference.

E) IEEE ELECTRICAL SAFETY WORKSHOP

Larry Thomas reported that last workshop was held in February 2008 at St. Louis, MO. There were 400 attendances. The next one will be held at Memphis, TN on February 2-5, 2010. The workshop website is: <http://www.ewh.ieee.org/cmte/ias-esw/index.html>

7) OPERATING SUBCOMMITTEE REPORTS

- A. PCEMC – APPENDIX B

- B. PDS – APPENDIX C

- C. TSSC – APPENDIX D

- D. DCS – APPENDIX E

- E. FPC (Ad Hoc) – APPENDIX F

8) BIRMINGHAM COFERENNCE REPORT

Robert Adams reported that 124 registrations, of which 94 are full registrations. The conference had 23 mill persons and 25 first time attendees and 23 registrants in the guest program. 86 signed up for the social event. Approximate \$10,000.00 profit

9) FUTURE CONFERENCES

A) June 20-24, 2010 – San Antonio, TX

Peter Bean reported that the San Antonio Committee is relatively well prepared for the upcoming conference in June 2010. If there are concerns it's for the industry as a whole, and how they promote the conference is becoming a priority. They are fortunate to have last year's Publicity and Marketing Chair, Guy Miller, on board again this year, so it'll be like having a head start on this effort. Peter reported that their budget was based on 180 full conference attendees plus 25 one-day attendees and 40 spouses/guests. Peter has also asked Finance Chair Pam Gold to calculate break even for the conference in number of attendees. He is confident that

she and John Kay will have a good handle on this by the first of the year. Peter is Looking forward to John Kay's updating the Planning Guide.

B) June 19-23, 2011 – Nashville, TN

John Malinowski reported that Sheraton Downtown contract has been signed at \$165 a night. A local conference committee has been formed however there are some positions need to be filled. A rough budget was drafted and should be submitted for approval soon so that the local committee could ask for our advance. Conference news has been posted at IEEE and forms for concentration banking are in process. The local conference committee has not had any contact from local IEEE Section. Here is the membership of the local conference committee:

Committee Chair	John Malinowski	jmalinowski@ieee.org
Finance	Rob Boteler	rob.boteler@emerson.com
Registration	TBD	
Sponsorship	Duncan Rhodes	DuncanRhodes@ieee.org
Webmaster	Pete Famighetti	pete.famighetti@ieee.org
Facilities	TBD	
Guest Program	TBD	

c) **2012** – John Malinowski is still looking for a site. Dave Rollay investigating Milwaukee as a possible site

d) **2013** – Portland??

10) San Antonio Conference Technical Papers

Rhonda Banks reported that she had issued the Author's Guide for preparation and presentation papers at 2010 San Antonio Technical Conference.

11) Manuscript Central

Rhonda Banks reported that the instruction for entering the manuscript Central is included in the Author's Guide.

12) OLD BUSINESS

A) AD HOC - SUSTAINABILITY

Dave Durocher reported that a "Step up to the Line in 2009" Save The Date outreach email promoting the 2009 Birmingham Conference was sent on 03/02/09 via IEEE ListServ to 464 industry engineer contacts included in our committee database. A follow-up final message extending early-bird registration was sent on 05/20/09. The committee added 173 new email addresses to our industry engineer list, offset by 97 email rejects. The attendance of industry engineers was expected to be significantly lower in 2009 due to economic development and the Birmingham conference attendant results verified our expectation. 23 industry engineers registered in Birmingham 2009 conference in comparison to 45 in Seattle 2008, 49 in Williamsburg 2007 and 48 in Appleton 2006. The TAPPI Paper Machine Drives Short Course

helped us keeping the industry engineer numbers up, with several industry engineers just for this tutorial, including two from Smurfit Carton y Papel de Mexico in Mexico City.

B) AD HOC COMMITTEE – PERPETUATION

John Kay reported that the Council has met via teleconference only one since the interim meeting. This has been primarily due to a change in his schedule and work responsibilities. Two individuals have retired from the committee also asked to be removed. John is looking for a replacement chairman for this group since he is also active on the PPIC executive.

This AD HOC committee will continue to monitor the success of the Ad Hoc Sub-Committee for Forest Products.

Future Goals include,

- Continue a focus specifically on building a broader forest products foundation
- Establish contacts in this segment and assimilate people into the conference,
- Build a core group who's main focus is to insure communications to this segment,
- Establish communication channels to engage those from this segment

C) AD HOC COMMITTEE - STUDENT/YOUNG ENGINEERS

Greg Drewiske reported the following:

Three Interns were present for the 2009 Birmingham Conference:

Brock Armstrong – International Papers, Prattville, AL

Emily Hamilton – Sappi, Cloquet, MN

Corey Steinhoff – NewPage Corporation, Wisconsin Rapids, WI

Due to having male and female participants, the committee was unable to double up on the rooms this year. Final cost for this year's program was \$4265.

The committee had an excruciating time getting the Zucker money of out IEEE due to a newly imposed \$600 limit on travel expenses. After several iterations over nearly 4 months, It was expected that all of the paper companies or students got their money back. The committee had to take some extra money out of Rooks to cover the overage between what we promised to cover and what Zucker paid for.

Recommendations for 2010:

- The Local Committee should provide 2 queen rooms in San Antonio as was done in Birmingham. This will eliminate the issues with hotel rooms for the interns.
- Approve a budget of up to \$8000 for 2010 for four interns
- PPIC may need to rethink our approach given the \$600 limit on travel from the Zucker fund.

Responses to the follow-up survey of the interns below:

What did you like Most?

- The opportunity to network with leading engineers in the Pulp and Paper Industry
- I enjoyed meeting everyone and learning about what they've done in their past as an engineer. The presentations were very intriguing and informational, most of them related to real world industrial applications which kept me from falling asleep. The Resort was phenomenal and the room was very comfortable. Also, I learned a lot from the tutorial and the reference manuals I received from the conference will be useful in the future.
- I liked the presentation layout. It was nice to be able to hear about the paper from the author's point of view and then to hear questions from other experienced people in the industry. It gives you more than one point of view on the subject and also makes you think about the how the topic applies to the industry directly.

What did you like Least?

- Most of the papers presented were above my current level of understanding, but I know that understanding and knowledge will come with time in the classroom but more importantly, in the work force.
- I was disappointed in myself because I had forgotten my dress shoes. I also didn't bring an adequate supply of dress clothes because I was unclear as to what everyone wears during a conference like this (1st time attendee). I didn't mind how busy I was with attending the presentations and the dinner socials but it would have been nice to spend a little time enjoying the resort and the hot weather. Also, I didn't like the Grits.
- It was difficult to follow some of the presentations closely because I had never been exposed to the particular subject of the paper before the conference. I know there was talk of getting the papers out earlier and I think that that is a good idea. If you have time to read the paper and have some understanding of the topic beforehand, it would be easier to follow the presentation. It also helps in remembering the information for longer.

What did you learn?

- Many things concerning motors, drives, and arc safety that I hope will aid me in my final classes at Auburn.
- I learned a lot. I got to listen in on some very interesting presentations and was able to pick up on some current issues regarding electrical safety (arc fault) and drives/motors applications. I learned about symmetrical components calculations and the woes of ground fault currents, which is very important in designing safe power distribution systems. I also picked up some engineering pointers from talking to experienced people like John Bentley. I'm now familiar with the overall structure to a technical conference and that it's set up like a normal workday which prevents people to treat it like a vacation but rather a time to teach and learn. The hard copy reference manuals given to me are nice to have in case I need to look back at material I was unable to pick up on.
- I learned a lot about the industry that I didn't even know was involved with the paper making business. Some of the presentations were over my head because I didn't know exactly what they were talking about, but the conference has definitely made me want to learn more. When you see how theory is connected to real life in the industry, it makes it a lot more exciting. There was so much information given to us and I plan to go over the papers again to help myself understand them more fully. I think that what I learned from the presentations and will learn from reading the papers will help me to understand the industry better and to make me more successful in my career.

What could be improved at the Conference?

- Not a whole lot. It was a great opportunity and I'm honored that I had the privilege of attending this year. The conference was very professional and well structured. As a first time attendee, I was caught up in the moment and the thought of how lucky I was to be at such an event, not thinking about what needs to be improved.
- I think the biggest improvement to be made would be to get the information available to the attendees sooner. The technical topics would be better understood and it may inspire more questions from the group if they have time to think about how it is applicable to their work.

Did this change your view of the Pulp and Paper industry?

- It was enlightening, but did not really change my view of the industry.
- I'm now more interested in the Pulp and Paper Industry than I was before hand. Although the Pulp and Paper Industry has been around for quite some time, there still are some very important issues that need to be addressed and engineered. Some people say that the Pulp and Paper Industry is dieing, yes it might be affected by our economy, but I found out that there is still room for expansion and improvements to be made. I can argue that before something is said to be dieing, it needs to be at the very end of its development, which isn't the case for the Pulp and Paper Industry.
- I think that the conference helped me to realize what I already knew about the industry. I knew that there was a lot of involvement with suppliers and utilities and this just reinforced how much they are influenced by the paper industry and vice versa. I think that this would be a good industry to work in. There are a lot of connections for other areas as well.

Other Comments

- Hopefully I will be attending the conference in the future.
- This is definitely a program that I think you should keep up. It may be something you want to advertise to schools as well. It may help other students who aren't even considering the pulp and paper industry to take a second glance.

D) JAMES A. ROOKS MEMORIAL & IEEE FOUNDATION

Dave Durocher reported that \$800 of new contributions was made to the JA Rooks Fund during the 2009 PPIC Birmingham conference. The generator grounding working group paper led by David Ship donated their \$250 prize paper award to the James A Rooks Student Intern Program. PPIC is working to get the final \$20K matching funds donation from the IAS transferred over to the IEEE Foundation. The IEEE Board approved an Action in November 2008 that suspended transfer of funds from by any IEEE organizational unit to organizations external to the IEEE, including IEEE Foundation. This was intended to preserve IEEE Society budgets that were severely impacted by the market crash in late 2008. An unintended consequence was a hold on the \$20K fund transfer approved by the IAS Board. Thanks to support from Bob Lorenz of our committee, PPIC is in the process of getting this previous IEEE

Board Action B28RU overturned and it is expected that the transfer from the Society to the James A Rooks program will be completed following the November 2009 IEEE Board Meeting. With the markets now recovering, this delay in funds transfer may actually benefit the JA Rooks Fund balance. On a sad note, Rita Rooks passed away on August 31, 2009 after a protracted battle with cancer. At the funeral service, one of the family members during the eulogy suggested that she is now in heaven with Jim, helping him complete a host of new projects that Jim started since his arrival. We are certain this is the case. The Rooks family suggested and contributions in memory of Rita should be made to the IEEE Foundation in support of the James A Rooks Student Intern Program, something that she cared about a great deal as a President's Circle contributor.

13) NEW BUSINESS

Several suggestions were made with regard to the San Antonio conference keynote speaker. One of them is related to the insurance company and the suggested topic is "how to reduce the failure rate". Peter Baen is to follow.

The PPIC website host has been transferred to IEEE website host

THE MEETING WAS ADJOURNED AT 3:00 PM.

Appendix A - FULL COMMITTEE AGENDA

FULL COMMITTEE AGENDA IEEE PULP & PAPER INDUSTRY COMMITTEE The westin Atlanta Airport Hotel – Atlanta, GA, October 19, 2009 1:30 PM to 3:30 PM

1 - Welcome & Introductions	Dave Durocher
2 - Review/Approval of Minutes of Interim Meeting	Alex Wu
3 - Executive Committee Report	Alex Wu
4 - Treasurers Report/Conference Audits	John Kay
5 - Standing Subcommittee Reports:	
A – Membership	Alan Lowe
b – Mailing List	John Kay
c – Publicity	Rob Boteler
d – Paper Awards / Magazine and Transactions Submittals	Mark Weaver
e – PPIC Awards Nominations	Dave Durocher
f – Fellows Nominations	John Kay
6 - Liaison Reports:	
a – IEEE – IAS	Dave Durocher
b – PAPTAC (formerly CPPA)	John Kay
c – TAPPI	Burt Judson
d - IEEE - Standards Projects Coordinating	John Malinowski
e – Electrical Safety Workshop	Larry Thomas
7 - Operating Subcommittee Reports:	
a – PCEMC	Roland Roberge
b – DCS	Darren Honaker
c – PDS	Felix Nepveux
d – TSSC	Bryan Gunter
e – FPC (Ad Hoc)	John Kay
8 – Birmingham Conference Report	Robert Adams
9 – Future Conferences	
a - 2010 – San Antonio	Peter Baen
b - 2011 – Nashville	John Malinowski
c - 2012 and beyond	John Malinowski
10. San Antonio Conference Technical Papers	Rhonda Banks
11 - Manuscript Central	Mark Weaver
12 – Old Business	
a – Ad-Hoc - Sustainability	Dave Durocher
b – Ad- Hoc - Perpetuation	John Kay
c – Ad Hoc Committee on Student/Intern Engineers	Greg Drewiske
d – James A. Rooks Memorial Contributions	Dave Durocher

12 – New Business

Adjourn Full Committee Meeting on or before 3:30 PM

APPENDIX B - PCEMC SUBCOMMITTEE MEETING MINUTES

Industrial Applications Society
Pulp and Paper Industry Committee
Process Control, Engineering, Maintenance & Construction Meeting
October 19, 2009

Meeting Start: 8:00 AM
Meeting Adjourned: 11:30 AM
Recorded by: Roland Roberge
Total Members: 18
Members Present: 8
Members Excused: 8
Members Not Excused: 2

New Business:

- The list of proposed papers was reviewed and updated with changes. New paper topics were discussed. The list submitted to the General Committee was:

3	A Paper
1	B Papers
4	C Papers
2	D Papers
8	E Papers

APPENDIX C - PDS SUBCOMMITTEE MEETING MINUTES
POWER DISTRIBUTION SYSTEMS
SUBCOMMITTEE MEETING MINUTES
THE WESTIN ATLANTA AIRPORT HOTEL – ATLANTA, GA

Meeting Date: October 19, 2009

Meeting Start: 8:00 AM **Meeting Adjourn:** 10:00 AM

Recorded by: Felix Nepveux

Total Membership: 38 **Potential New Members:** 0

Guests: 0

Members Present: 11

ROBERT L ADAMS	GEOFF CLARK
J C DAS	TODD LEGETTE
JOHN S LEVINE	CHARLES J MOZINA
FELIX NEPVEUX	RONALD H SIMPSON
ROBERT VANDENABEELE	BILL VILCHECK
ALEX Y WU	

Members Excused: 5

BRENDA ETZEL	GEORGE MATTO
GLENN SMITH	RICH TURNER
CRAIG WESTER	

Guests: 0

Members Transferred: None

Resignations: None

Meritorious Award Nominees: 0

2010 Paper Graders: Rich Schaefer

Introduction

Felix Nepveux welcomed all present to the Atlanta PDS Subcommittee interim meeting. Each member was asked to introduce them self. A list of the PDS members was circulated for updating and attendance. Updates have been forwarded to Alan Lowe.

Executive Meeting Summary

Significant Executive Committee Meeting topics were reviewed:

- Proposed revisions to Operating Guide to better describe the requirements for the Meritorious Engineering Awards
- Manuscript Central and paper grading
- The 2010 PPIC meeting will be held in San Antonio on June 20 – 25.

Future Papers

The subcommittee engaged in a discussion regarding the relevancy of technical papers submitted for San Antonio. See the table on the next page.

Old Business

1. There were no nominations for the Meritorious Awards.
2. General discussion of the role of IEEE Manuscript Central and its impact upon the PPIC technical paper submittal, review, and grading process. Jane Hutt described her experiences as paper grader using Manuscript Central.

New Business

There was no new business.

PDS Subcommittee adjourned at 10:00 AM.

Please contact the writer with any comments or corrections.

No.	Title	Status	Year	Author 1	Author 2	Author 3	Sponsor	Comment
2010-1	Specifying Excitation Systems for Procurement	A	2010	Rich Schaefer			Robert Adams	presented at EPRI, not an IEEE group, needs a review
2010-2	Arc Flash Energy Mitigation by Fast Energy Capture	A	2010	George Roscoe	Tom Papallo	Marcelo Valdes	Bill Vilcheck	Go-No Go
2010-3	Efficient Applications of Main-Tie-Main Transfer Schemes	B	2010	Craig Wester	Terrence Smith		John Levine	It is ON, will advise when it will be available for review
2010-4	High-Speed Transfer of Two 4kV Motor Bus Sources Using a Digital Motor Bus Transfer System	A	20010	Chuck Mozina	Greg Orr		Cathy Dalton	Presented at 2008 PCIC, Go-No Go
2010-5	Fully Utilizing IED Capability to Reduce Wiring	A	2010	Terrence Smith	Rich Hunt		John Levine	
2010-6	Impact of CT Errors on Protective Relays – Case Studies and Analysis	A	2010	Rich Hunt			Robert Adams	
2010-7A	Protective Planning and System Design to Reduce Arc Flash Incident energy in a Multi-Voltage Level Distribution System to 8	A	2010	Jay Das			Robert Adams	Bill Vilcheck (4th reviewer)
2010-7B	Protective Planning and System Design to Reduce Arc Flash Incident energy in a Multi-Voltage Level Distribution System to 8	A	2010	Jay Das			Robert Adams	Bill Vilcheck (4th reviewer)
2010-8	Enhanced Algorithm for Motor Broken Bar Detection	A	2010	Dragan Stankovic	Zhiying Zhang	Ilia Voloh, et al.	Tony Locker	Ian Colbert (4th reviewer), John Levine info on where already presented.
2010-9	Selection of Components for Tuned Capacitor Banks – What Difference Does it Make?	B	2010	Felix Nepveux			Geoff Clark	Jay Das
2010-10	Solid Grounded Low Voltage Source Contribution to Device Interrupting Duty	A	2010	Ron Simpson			Robert Adams	
2010-11	see tutorials							
2010-12	Selectivity Analysis in Low Voltage Power Distribution Systems with Fuses & Circuit Breakers	A	2010				Geoff Clark	Go-No Go
2010-13	Transformer Failures Due to Circuit Breaker Induced Switching Transients	B	2010	David Shipp	Thomas Dionise	Visuth Lorch	Bill Vilcheck	Should be available for review in about 6 weeks
2010-11A	Synchronous Generator Protection	?	2010	Chuck Mozina				8-hour tutorial, will advise by mid Dec if he will be available to do the tutorial
2010-11B	Relay Application Examples	?	2010	Ron Simpson	John Levine			An alternate to Gen Prot if Chuch is not available
2010-14	Generator Maintenance and Failure Mode Analysis	?	2010	Bill Moore			Bob Vandenabeele	8 hour tutorial, Will advise
2011-1	Recent Harmonization of ANSI/IEEE Standards for HV Breakers with IEC, and its Impact on Application and Analysis	B	2011	Jay Das	Dalip Mohala		Robert Adams	
2011-2	Generator Upgrade after Rewinding	C	2011	Bill Moore	Mark Schoff		Bob Vandenabeele	
				Paper Status	2010			
				A	10			
				B	3			
				C	0			
				D	0			
				E				
				?				
				Tutorial	1?			
				Panel	0			

Paper Status
A - Subject, Sponsor, Author, Abstract, Rough Draft
B - Subject, Sponsor, Author, Abstract
C - Subject, Sponsor, Author
D - Subject, Sponsor
E - Subject

APPENDIX D - TSSC SUBCOMMITTEE MEETING MINUTES
TRAINING, SAFETY, STANDARD AND CODES
SUBCOMMITTEE
IEEE, IAS PULP & PAPER COMMITTEE

Meeting – Atlanta, GA
10/19/2009
MINUTES of MEETING

Meeting Date: October 19, 2009

Recorded by: Bryan Gunter

Members Present: Ralph Shead
Bryan Gunter
Rachel Bugaris
Dave Rollay
Total: 4

Members with an
Excused Absence: Norm Danz
Paul Roullier
Richard Barker
Lanny Floyd
Jim Harris
Kevin Lippert
Larry Thomas
Pat Malie
Total: 8

Members with an
Unexcused Absence: Dennis Neitzel
Jim Williams
Tim Crnko
Total: 3

Total Members: 15

The meeting was called to order by Chairman Bryan Gunter at 8 am.
Attendance was taken with correction to contact information.

Announcements & General Business

Read the changes to the operating guide regarding the Service and Engineering Awards.
There were no nominations from the subcommittee for these awards.

Status of 2010 Technical Papers, Updates, & Tutorials

	A	B	C	D	E
2010 Papers	1			2	
Arc Flash Research Update*			1		
Tutorials		1		1	
90 Minute Electrical Safety Panel				1	

* Arc Flash Research Update which is presented at the conference during one of the 25 minute slots. PowerPoint format only. PowerPoint should be submitted to program chair to be on the Conference CD (could it be put in the Conference hardcopy, too?)

See Spreadsheet entitled 2009 TSSC Paper Summary and Status Tally 10192009 for details.

The subcommittee reviewed the list of potential papers from the PCIC committee. Ralph Shead will contact Robert Konnick to discuss the possibility of presenting a paper on Electrical Cable and Wiring Updates. Bryan Gunter will contact Jim White to discuss the possibility of presenting a paper on Hazard Risk Analysis a two step process and also discuss with Jim about a paper on qualified personnel.

Rachel Bugaris passed out a rough draft of the paper entitled "Arc Resistant Equipment for Low Voltage Motor Control Center Applications". Pat Malie and Bryan Gunter are reviewers.

Need to follow up with Tim Crnko about the "Arc Flash Research Update".

There was further discussion about future papers and topics that would be of interest. Ralph Shead mentioned an interesting topic on "How did it Happen?" a discussion of incident investigations from safety occurrences.

Adjournment

The meeting was adjourned at 10:30am.

Distribution of Minutes: Subcommittee members and guests, Committee Secretary, Committee Membership Chair.

TSSC FUTURE PAPERS

Number	Subcommittee	Title	Status					Year	Paper	Panel	Tutorial
			A	B	C	D	E				
2010-1	TSSC	Update on IEEE NFPA Research Project on Arc Flash (Not a paper, Just Power Point)			1			2010			
2010-2	TSSC	Qualified Personnel Training Requirements				1		2010	1		
2011-1	TSSC	Reducing Arc Flash Energy in Motor Control Centers to 4 cal/cm ²		1				2011	1		
2011-2	TSSC	What You Need to Put into a Request for Quote for Arc Flash Study					1	2011	1		
2011-3	TSSC	System grounding, Ground Fault Protection & Ground Fault Protection Theory					1	2011	1		
2011-4	TSSC	Application of Machine Standards to Winder Safety					1	2011	1		
2010-3	TSSC	Panel on Electrical Safety				1		2010		1	
2011-5	TSSC	PPE: What is New, changes				1		2010			
2010-4	TSSC	Work Place Auditing – Internal & external						2010			1
2010-5	TSSC	Use & Application of Equipment Bonding and Grounding			1						1
2010-6	TSSC	Arc Resistant Equipment for Low Voltage Motor Control Centers	1					2010	1		
2011-6	TSSC	Laytex vs Robber Gloves for Shock Protection					1	2010			1
2010-7	TSSC	Electrical Wire and Cable Update				1		2010	1		
2011-7	TSSC	NEC Change					1	2011	1		
2011-8	TSSC	Lockout Verification					1	2011	1		
2011	TSSC	Global Consistencies in Safety Philosophies					1	2011	1		

APPENDIX E - DCS SUBCOMMITTEE MEETING MINUTES

DRIVES AND CONTROL SYSTEMS SUBCOMMITTEE

IEEE/ IAS PULP & PAPER COMMITTEE

2009 INTERIM MEETING MINUTES

Meeting Date: Monday, October 19, 2009
Meeting Started: 8:06 AM
Meeting Adjourned: 11:36 AM
Chairman: Darren Honaker
Vice Chairman/Secretary: Michael Feldkirchner
Total Members: 49
Members Present: 8
Members Excused: 8
Members Not Excused: 34
Guests:

Introduction

- Members and guests introduced themselves
- Attendance / Membership List passed around and annotated

Announcements

- Antitrust Announcement was read.
Reminder committee members need to keep IAS membership up-to-date. You will get a notice from Alan Lowe if you are not a member of IAS.
- Reminder to utilize an IEEE alias for your e-mail address. That will simplify keeping track of you in the event you change jobs or Internet providers. Info at www.ieee.org. See below for detailed instructions.

Old Business

- Review of DCS Minutes from Birmingham Annual Meeting: Minutes approved as sent.
- Future Conferences are scheduled as follow:
2010 San Antonio, TX Peter Baen is Local Chair
2011 Nashville, TN John Malinowski
- Standing Meritorious Award nominees Russ Thrift & George Matto for Service. Standing Meritorious Award nominees Blake Lloyd for Engineering.

Nominees will remain on the nominations list until they are withdrawn, ineligible or are presented with the award.

New Business:

- Paper Reviewers for 2009 is Duncan Rhodes with Lawrence Taylor as backup.

Review of Papers:

- See attached spreadsheet
- Paper count is:

Level	2010	2011		
A	3	0		
B	9	3		
C	2	4		
D	0	0		
E	0	7		
	Tutorial	0	2	
	Panel	0	0	

Classification and Schedule of Papers

The criteria for paper classification are as follow:

Class A: Paper has a sponsor, a committed author, an abstract, and a rough draft in hand, ready for review.

Class B: Paper has a sponsor, a committed author, and abstract in hand.

Class C: Paper has a sponsor and a committed author.

Class D: Paper has a sponsor and an identified author.

Class E: Paper has a sponsor.

The approximate schedule for papers is as follows (final schedule to be posted on the website (www.pulpandpapercommittee.com):

- 6/25/09 Author Data Sheets to Program Chair
- 10/19/09 Interim Meeting. Rough drafts available for reviewers.
Author kits to authors (sent by sponsors)
- 10/23/09 Author Guide is posted on website
- 11/19/09 Reviews of rough Drafts due.
- 01/15/10 Final drafts to reviewers (sent by sponsors)
- 02/12/10 Review of final drafts due.
Copyright transfer form, Author's Data & Release forms

sent to Program Chair.

- 03/26/10 Final manuscript sent to Program Chair.
- 04/16/10 Manuscripts sent to printer.
- 04/30/10 Acknowledgment and schedule sent to authors.
- 06/11/10 Bound copies of record sent to Conference Chair.
- 06/21/10 2010 IEEE Conference San Antonio, TX

Sponsors should make sure that the sub-committee chairmen get a copy of the author's data sheets and a copy of the Abstract. Reviewers should check the official guide to make sure that their role is understood. It is the responsibility of the reviewer to check the paper's accuracy, not to be the editor. The guide is available on the website. It is important that the sponsor not only coordinates the reviews of the paper, but also checks the presentation itself to make sure it conforms to IEEE guidelines, especially in the area of avoiding any commercialism (including company logos on template except for title page). Since the presentations are all in PowerPoint, they can be easily sent from the author to the sponsor or placed on the Pulp and Paper FTP site. It is a requirement that all authors / presenters register for the Conference, even if it is for only one day. This is also true for New Product Presenters.

DCS FUTURE PAPERS

Number	Subcommittee	Title	Status					Year	Paper	Panel	Tutorial
			A	B	C	D	E				
2003-14	DCS	Paper Machine Dryer Section Tuning	1					2010	1		
2005-15	DCS	Update on IEEE 841 Spec.	1					2010	1		
2006-6	DCS	Modeling the Common Mode Noise on Low Voltage Drive and Motor System		1				2010	1		
2006-8	DCS	Field Report on Toroidal Successes			1			2010	1		
2006-9	DCS	Effect of the Load on the Expected Savings from a Premium Efficiency Alternating Current Squirrel Cage Rotor Induction Motor			1			2010	1		
2006-13	DCS	Effects on Paper Mill Distribution Systems as Linear Loads are Converted to Non-Linear Loads Over Time		1				2010	1		
2006-19	DCS	Part 2: Effect of Ground Faults on Common DC Bus AC Drive System		1				2010	1		
2007-11	DCS	Field Experience with Acceleration Feedback in Paper Machine Drive Regulatory			1			2011	1		
2007-14	DCS	Integrating Existing Systems with Web Technologies		1				2010	1		
2008-3	DCS	Implementation of Robust, Sensorless Tension Control and On-Line Sensing of Modulus of Elasticity in the Dry-end Sections of a Lightweight Paper Machine		1				2010	1		
2008-5	DCS	Practical Issues for Power Cabling Terminations on VFD			1			2010	1		
2008-7	DCS	Application Consideration of Cup Motors					1	2011	1		
2008-10	DCS	Retrofit of steam Turbine ID Fan Drive to a Variable Frequency Drive		1				2010	1		
2008-11	DCS	Comparison of Different Ethernet Architectures					1	2011	1		

2008-12	DCS	Input Impedance Considerations for Non Common Bus Low Voltage AC Drives			1			2010	1		
2008-13	DCS	Considerations for Paper Machine Drive System Upgrade					1	2012			1
2009-2	DCS	Estimation of the Condensate Load in Dryer Cylinders during Sections Starting		1				2011	1		
2009--3	DCS	Evaluation of Condensate Effects during Starting and Operation of sections: Effects of Spoiler Bars and Drive Selection Considerations		1				2010	1		
2009-4	DCS	Robust Estimation of Rotor & Stator Temperature Rises in Self-Ventilated Induction Motors		1				2011	1		
2009-5	DCS	Thermal Model for On-Line Detection of Pulp Obstructing the Cooling System of TEFC Induction Motors in Pulp Area		1				2010	1		
2009-6	DCS	Adjustable Speed Drives:Case History			1			2012	1		
2009-7	DCS	Specific Design Consideration for AC Induction Motor connected to AC Drives.		1				2011	1		
2009-8	DCS	Paper Machine Direct Drive Permanent Magnetic Motors					1	2011	1		
2009-9	DCS	Applying Motors on Pump Application using Pump Curves					1	2011			1
2009-10	DCS	DC Motor Bearing Fluting			1			2011	1		
2009-11	DCS	Encoder Mounting Consideration		1			1	2010	1		
2009-12	DCS	Motor Selection for Centrifugal Pump Application Made easy	1					2010	1		
2009-13	DCS	Corrosion monitoring & Control Methods in Electrical Rooms					1	2011	1		
2009-14	DCS	Dc Motor Cooling Air Consideration					1	2011	1		
2009-15	DCS	Bonding and Grounding Fundamentals					1	2011	1		

2010Totals	3	9	2	0	0	14	0	0
2011 Totals	0	3	4	0	7	13	0	1
2012 Totals	0	0	1	0	1	1	0	1
Total	3	12	7	0	8	28	0	2

APPENDIX F – FP SUBCOMMITTEE MEETING MINUTES
FOREST PRODUCTS SUBCOMMITTEE
IEEE/ IAS PULP & PAPER COMMITTEE
2009 INTERIM MEETING MINUTES

October 19, 2009

8:00 AM – Meeting was called to order as we welcomed all to this Forest Products Subcommittee meeting

Chairman- John A. Kay, Rockwell Automation Canada

Vice-Chair- Rory Johnson, Weyerhaeuser Company (Excused)

2 present: 4 Excused Absences, 1 Unexcused, 1 Guests

I welcomed our guest (who had signed up previously to join the group but Allan believes the form was misplaced- we will get him signed up). Outlined the goals of this sub-committee.

We reviewed or paper topics list. Several new topics were added but we are still challenged to get authors. The paper totals are as shown,

Year	A	B	C	D	E	Total Papers	Panel	Tutorial
2010	1	2	1	4	14	2	1?	1 – ½ day
2011	0	0	2	1	7	9	0	0
2012	0	0	0	0	0	0	0	0

We have one ½ day Tutorial from John Mazurkiewicz, on The Fundamentals of Servos will be re-submitted as it was not held this year due to attendance.

We did not have anyone willing to be a paper grader at this time.

We adjourned approximately 10:00 AM.

APPENDIX G - MEMBERSHIP REPORT

Rev. 11/16/2

IEEE/IAS Pulp and Paper Industry Committee Members and Applicants

ROBERT L ADAMS [Robert] IEEE Senior Member #07968274 PPIC Member Since 6/00 Subcommittee PDS	Office: 205-972-6426 Fax: 205-972-6300 Home 205-664-3196 E Mail: robertadams@ieee.org	BE&K ENGINEERING COMPANY PO BOX 12607 BIRMINGHAM, AL 35202 6607
TIMOTHY R ALBERS [Tim] IEEE Senior Member #40354971 PPIC Member Since 6/00 Subcommittee DCS	Office: 314-595-8291 Fax: 314-553-1097 Home 636-922-1539 E Mail: tim.albers@emerson.com	US ELECTRIC MOTORS 8050 W FLORISSANT AVENUE ST LOUIS, MO 63136
R KEITH ALLEN [Keith] IEEE Member #08316143 PPIC Member Since 9/06 Subcommittee DCS	Office: 770-754-8549 Fax: 770-754-4789 Home 770-343-8380 E Mail: rallen@ra.rockwell.com	ROCKWELL AUTOMATION 11575 GREAT OAKS WAY SUITE 110 ALPHARETTA, GA 30022
PETER R BAEN [Peter] IEEE Senior Member #4757670 PPIC Member Since 6/97 Subcommittee PCEMC	Office: 512-396-5801 Fax: 512-396-3627 Home 512-353-1127 E Mail: peter.baen@thermon.com	THERMON MANUFACTURING CO 100 THERMON DR P O BOX 609 SAN MARCOS, TX 78667
RHONDA D BANKS [Rhonda] IEEE Senior Member #4876215 PPIC Member Since 7/95 Subcommittee PCEMC	Office: 843-371-0700 Fax: 843-216-9726 Home 843-884-3402 E Mail: rdbanks@ieee.org	INSTRUMENTATION DESIGN 4032 COL VANDERHORST CIRCLE MOUNT PLEASANT, SC 29466
J RICHARD BARKER [Richard] IEEE Senior Member #03652872 PPIC Member Since 6/03 Subcommittee TSSC	Office: 916-632-9295 Fax: 916-632-9296 Home 916-639-9295 E Mail: richardb@ieee.org	GENERAL CABLE 5339 WESLEY RD ROCKLIN, CA 95765
DALE A BASSO [Dale] IEEE Member #80590066 PPIC Member Since 8/07 Subcommittee PCEMC	Office: 864-284-5576 Fax: 864-284-5510 Home 864-254-0079 E Mail: dabasso@baldor.com	BALDOR DODGE RELIANCE 6040 PONDER'S COURT GREENVILLE, SC 29615
ROBERT J BELTZ [Robert] IEEE Senior Member #00452441 PPIC Member Since 6/00 Subcommittee PDS	Office: 678-309-4245 Fax: - Home 678-454-1520 E Mail: robertjbeltz@eaton.com	EATON ELECTRICAL INC 7000 HIGHLANDS PARKWAY SMYRNA, GA 30082
J M BENTLEY [John] IEEE Life Fellow Member #364101 PPIC Member Since 5/84 Subcommittee DCS	Office: 715-543-8239 Fax: 715-543-8239 Home 715-543-8239 E Mail: jmbentley@centurytel.net	DRIVES CONSULTANT 6239 CLEARVIEW DR MANITOWISH WATERS, WI 54545
THOMAS M BLOOMING [Tom] IEEE Senior Member #00692053 PPIC Member Since 10/05 Subcommittee PDS	Office: 678-309-4217 Fax: - Home 678-309-5771 E Mail: t.blooming@ieee.org	EATON CORPORATION 7000 HIGHLANDS PARKWAY SE SMYRNA, GA 30082
KEVIN S BORTHWICK [Kevin] IEEE Senior Member #02024347 PPIC Member Since 10/05 Subcommittee DCS	Office: 604-270-7728 Fax: 604-270-6252 Home 604-948-0415 E Mail: kborthwick@ieee.org	FRANSEN ENGINEERING 210-3031 VIKING WAY RICHMOND, BC V6V 1W1

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IEEE/IAS Pulp and Paper Industry Committee Members and Applicants

ROB B BOTELER [Rob] IEEE Senior Member #85008877 PPIC Member Since 10/04 Subcommittee DCS	Office: 314-595-8387 Fax: 314-595-8218 Home 636-447-3692 E Mail: rob.boteler@emerson.com	EMERSON MOTOR COMPANY 8100 WEST FLORISSANT AVE ST LOUIS, MO 63136
RACHEL M BUGARIS [RACHEL] IEEE Member #90424732 PPIC Member Since 7/09 Subcommittee TSSC	Office: 414-382-1114 Fax: - Home 847-998-1489 E Mail: rmbugaris@ra.rockwell.com	ROCKWELL AUTOMATION 1201 SOUTH SECOND STREET MILWAUKEE, WI 53204
RICHARD D BUTLER [Rich] IEEE Senior Member #00603720 PPIC Member Since 6/00 Subcommittee DCS	Office: 904-296-6229 Fax: 904-296-4808 Home 904-728-8388 E Mail: rdbutler@ra.rockwell.com	ROCKWELL AUTOMATION 4190 BELFORT RD SUITE 180 JACKSONVILLE, FL 32216
LAURIE K CIHLAR [Laurie] IEEE Senior Member #8676322 PPIC Member Since 7/93 Subcommittee PCEMC	Office: 843-740-2199 Fax: 843-740-2199 Home 843-763-5168 E Mail: lkc1@meadwestvaco.com	MEAD WESTVACO CORP P O BOX 118005 NORTH CHARLESTON, SC 29423
GEOFFREY F CLARK [Geoff] IEEE Member #40102487 PPIC Member Since 9/06 Subcommittee PDS	Office: 205-972-6430 Fax: 205-972-6303 Home 205-678-4689 E Mail: clarkg@bek.com	BE&K ENGINEERING 2000 INTERNATIONAL PARK DRIVE BIRMINGHAM, AL 35243
ROY E COSSE JR [Roy] IEEE Senior Member #05536073 PPIC Member Since 10/02 Subcommittee PDS	Office: 713-948-4019 Fax: 713-948-4569 Home 281-373-1465 E Mail: rcosse@sbcgobal.net	POWELL ELECTRIC SYSTEMS INC 12301 KURLAND BLGD B HOUSTON, TX 77034
D RAY CRANE [Ray] IEEE Senior Member #7326135 PPIC Member Since 6/78 Subcommittee DCS	Office: 662-327-1961 Fax: - Home 662-327-1961 E Mail: craneray@bellsouth.net	WEYERHAUSER COMPANY-RETIRED 297 RICHARDSON ROAD COLUMBUS, MS 39702
TIMOTHY M CRNKO [Tim] IEEE Member #40354249 PPIC Member Since 6/00 Subcommittee TSSC	Office: 636-527-1384 Fax: 636-207-3649 Home 314-966-6505 E Mail: timcrnko@cooperindustries.com	COOPER BUSSMANN PO BOX 14460 ST LOUIS, MO 63178 4460
D RAY CROW [Ray] IEEE Senior Member #05718887 PPIC Member Since 7/04 Subcommittee TSSC	Office: 360-671-5338 Fax: - Home - E Mail: draycrow@aol.com	DRC CONSULTING LTD 1356 CHUCKANUT DR BELLINGHAM, WA 98229
RADU S CURIAC [Radu] IEEE Member #41387667 PPIC Member Since 8/07 Subcommittee DCS	Office: 513-841-3105 Fax: 513-841-3290 Home 859-803-3745 E Mail: radu.curriac@siemens.com	SIEMENS ENERGY AND AUTOMATION 4620 FOREST AVENUE NORWOOD, OH 45212
CATHERINE M DALTON IEEE Member #08839805 PPIC Member Since 8/08 Subcommittee PDS	Office: 770-881-7018 Fax: 770-755-5890 Home 770-418-1639 E Mail: cdalton@beckwithelectric.com	BECKWITH ELECTRIC CO 1730 NOBLIN SUMMIT DRIVE DULUTH, GA 30097

IEEE/IAS Pulp and Paper Industry Committee Members and Applicants

NORMAN L DANZ [Norm] IEEE Senior Member #80458668 PPIC Member Since 9/06 Subcommittee TSSC	Office: 334-855-5877 Fax: - Home - E Mail: norm.danz@mwv.com	MEAD WESTVACO 606 SUN WOOD DRIVE SMITH STATION, AL 36877
J C DAS [Jay] IEEE Fellow Member #04037438 PPIC Member Since 6/01 Subcommittee PDS	Office: 770-688-2656 Fax: 770-688-2501 Home 770-982-8758 E Mail: jay.das@amec.com	AMEC 1979 LAKESIDE PARKWAY SUITE 500 TUCKER, GA 30084
GREG W DREWISKE [Greg] IEEE Senior Member #00208579 PPIC Member Since 10/05 Subcommittee DCS	Office: 715-422-3449 Fax: 715-422-4183 Home 715-424-0180 E Mail: greg.drewiske@ieee.org	NEW PAGE WISCONSIN RAPIDS MILL 310 3RD AVE NORTH WISCONSIN RAPIDS, WI 54495
DAVID B DUROCHER [DAVE] IEEE Senior Member #40236081 PPIC Member Since 1/98 Subcommittee PCEMC	Office: 503-582-2714 Fax: 503-582-2814 Home 503-657-8019 E Mail: davidbdurocher@eaton.com	EATON CORPORATION 26850 SW KINSMAN RD WILSONVILLE, OR 97070
STEVEN L DYRNES [Stephen] IEEE Life Senior Member #3688124 PPIC Member Since 9/83 Subcommittee PDS	Office: 503-781-5753 Home 503-377-6999 E Mail: sdyrnes@aol.com	DYRNES ENGINEERS Fax: 246-0577 9320 SW BARBUR BLVD SUITE 230 PORTLAND, OR 97219
BRENDA L ETZEL [Brenda] IEEE Senior Member #80446613 PPIC Member Since 9/06 Subcommittee PDS	Office: 619-692-6521 Fax: - Home 760-745-3613 E Mail: brendaletzel@eaton.com	EATON ELECTRICAL SERVICES & 2727 KURTZ ST SAN DIEGO, CA 92110
STEVE T EVON [Steve] IEEE Senior Member #40316000 PPIC Member Since 6/03 Subcommittee DCS	Office: 864-284-5657 Fax: 864-281-2196 Home 864-306-3057 E Mail: stevon@powersystems.rockwell.com	ROCKWELL AUTOMATION 6040 PONDER'S COURT GREENVILLE, SC 29615
PETER F FAMIGHETTI [Pete] IEEE Senior Member #7449390 PPIC Member Since 11/87 Subcommittee DCS	Office: 602-510-7376 Fax: 860-298-7118 Home - E Mail: pete.famighetti@ieee.org	ABB 4699 E BLUE SPRUCE LANE GILBERT, AZI 85298
MICHAEL J FELDKIRCHNER IEEE Senior Member #40045753 PPIC Member Since 10/05 Subcommittee DCS	Office: 843-479-0200 x 456 Fax: 843-479-6603 Home 843-383-2959 E Mail: michael.feldkirchner@domtar.com	DOMTAR PAPER MARLBORO MILL P O BOX 678 BENNETTSVILLE, SC 29512
RICHARD L FIELD [Richard] IEEE Senior Member #08299133 PPIC Member Since 8/07 Subcommittee PDS	Office: 859-283-0778 Fax: 859-283-2978 Home 859-647-7154 E Mail: richard.field@postglover.com	POST GLOVER RESISTORS INC 4750 OLYMPIC BLVD ERLANGER, KY 41018
H LANDIS FLOYD II [LANNY] IEEE Fellow Member #06536767 PPIC Member Since 8/02 Subcommittee TSSC	Office: 302-999-6390 Fax: 302-999-6273 Home - E Mail: h.l.floyd@ieee.org	DUPONT ENGINEERING 4417 LANCASTER PIKE BLDG 723 ROOM 1106 WILMINGTON, DE 19805

IEEE/IAS Pulp and Paper Industry Committee Members and Applicants

RUSSELL T FORD [Russ] IEEE Member #41319490 PPIC Member Since 6/00 Subcommittee DCS	Office: 678-309-4214 Fax: 678-842-5811 Home 770-664-6618 E Mail: russellford@eaton.com	EATON CORPORATION 7000 HIGHLANDS PARKWAY SE SUITE 101 SMYRNA, GA 30082
ROBERT J FRITZ [Bob] IEEE Senior Member #7591225 PPIC Member Since 6/78 Subcommittee DCS	Office: 216-642-1230 Fax: 216-750-5000 Home 440-838-1083 E Mail: rfritz@avtron.com	AVTRON MFG INC 7900 E PLEASANT VALLEY ROAD INDEPENDENCE, OH 44131
PAMELA R GOLD [PAM] IEEE Senior Member #41302361 PPIC Member Since 7/09 Subcommittee PCEMC	Office: 512-396-5801 Fax: - Home 512-558-1263 E Mail: pam.gold@thermon.com	THERMON INDUSTRIES 100 HERMON DRIVE SAN MARCOS, TX 78676
B L GRAVES [Bruce] IEEE Senior Member #5688924 PPIC Member Since 6/84 Subcommittee PDS	Office: 864-627-9511 Fax: 864-627-9564 Home 864-967-4670 E Mail: bruce.graves@ieee.org	WORLD WIDE TECHNOLOGIES INC 132A PILGRIM ROAD GREENVILLE, SC 29607
DONALD J GREY [Don] IEEE Member #00471045 PPIC Member Since 7/04 Subcommittee DCS	Office: 262-785-3417 Fax: 262-785-0417 Home 262-375-1886 E Mail: djgrey@ieee.org	ABB INC 16250 W GLENDALE DRIVE NEW BERLIN, WI 53151
BRYAN R GUNTER [BRYAN] IEEE Member #90351633 PPIC Member Since 7/09 Subcommittee TSSC	Office: 919-334-3334 Fax: - Home 919-2853948 E Mail: bryan.gunter@mww.com	MEAD WESTVACO CORPORATE 1021 MAIN CAMPUS DRIVE RALEIGH, NC 27606
CHARLES J HARDY [Charlie] IEEE Member #40346480 PPIC Member Since 6/03 Subcommittee PDS	Office: 615-507-2185 Fax: 615-507-2188 Home 615-595-2336 E Mail: charha@selinc.com	SEL INC INDUSTRIAL SOLUTIONS 130 SEABOARD LANE UNIT 7 FRANKLIN, TN 37067
JAMES H HARRIS [JIM] IEEE Member #06795546 PPIC Member Since 6/99 Subcommittee TSSC	Office: 704-321-5430 Fax: 704-321-5464 Home 704-321-5430 E Mail: jharris@generalcable.com	GENERAL CABLE CORP PO BOX 21116 CHARLOTTE, NC 28277
WARREN A HENSON [Gus] IEEE Senior Member #05789623 PPIC Member Since 6/99 Subcommittee PDS	Office: 205-354-5327 Fax: 205-985-2488 Home 205-985-0465 E Mail: warrenhenson@eaton.com	EATON 266 CAHABA VALLEY PKWY PELHAM, AL 35124
JEFFREY J HILL [Bubba] IEEE Member #04667267 PPIC Member Since 8/08 Subcommittee PDS	Office: 920-438-4085 Fax: - Home 920-676-2709 E Mail: jeff.hill@gapac.com	GEORGIA PACIFIC 1919 S BROADWAY P O BOX 19130 GREEN BAY, WI 54307 9130
FREDERICK L HOADLEY [Rick] IEEE Member #04242889 PPIC Member Since 8/07 Subcommittee DCS	Office: - Fax: - Home 262-242-0343 E Mail: r.hoadley@ieee.org	ABB , WI

IEEE/IAS Pulp and Paper Industry Committee Members and Applicants

ANTONY J HOLLIDAY [Tony] IEEE Associate Member #80396466 PPIC Member Since 6/07 Subcommittee DCS	Office: +44-(0)1642 497000 Home - E Mail: tony.holliday@hawk-ir.com	HAWK IR INTERNATIONAL INC Fax: +44-(0)1642 497111 117 HIGH ST CLEVELAND, TS11 6JX
JOHN R HOLMQUIST [John] IEEE Life Fellow Member #3537677 PPIC Member Since 9/86 Subcommittee DCS	Office: - Home 253-927-3623 E Mail: john.holmquist@ieee.org	WEYERHAEUSER COMPANY RETIRED Fax: - 32229 24TH AVE SW FEDERAL WAY, WA 98023 2506
DARREN HONAKER [Darren] IEEE Senior Member #979112 PPIC Member Since 1/06 Subcommittee DCS	Office: 540-283-2364 Fax: 540-283-2397 Home 540-863-8067 E Mail: darren.honaker@ieee.org	TMEIC GE 2060 COOK DRIVE SALEM, VA 24153
BRUCE HONDA [Bruce] IEEE Member #90297146 PPIC Member Since 8/08 Subcommittee FPS	Office: 253-924-6543 Fax: - Home 253-838-0734 E Mail: bruce.honda@weyerhaeuser.com	WEYERHAEUSER PO BOX 9777 FEDERAL WAY, WA 98063
WARREN S HOPPER [Warren] IEEE Senior Member #7972771 PPIC Member Since 6/00 Subcommittee DCS	Office: 541-988-7544 Fax: 541-7516 Home 541-895-3140 E Mail: warrenhopper@ieee.org	WEYERHAEUSER COMPANY PO BOX 275 SPRINGFIELD, OR 97477
TIMOTHY A HOY [Tim] IEEE Associate Member #11299301 PPIC Member Since 6/02 Subcommittee PCEMC	Office: 250-564-3381 Home 250-964-1468 E Mail: thoy@udl.com	UNIVERSAL DYNAMICS LTD Fax: 250-562-6514 215-556 NORTH NECHAKO RD PRINCE GEORGE, BC V2K 1A1
RICHARD K HUNT [Rich] IEEE Member #40237447 PPIC Member Since 6/07 Subcommittee PDS	Office: 919-367-7608 Fax: 919-882-9962 Home 919-303-2463 E Mail: richard.hunt@ge.com	GENERAL ELECTRIC MULTILIN 903 HADDON HALL DRIVE APEX, NC 27502
JANE HUTT [Jane] IEEE Member #80007109 PPIC Member Since 8/08 Subcommittee PDS	Office: 360-753-9126 Fax: 360-753-6233 Home 360-956-3496 E Mail: jhutt@national-electric-coil.com	NATIONAL ELECTRIC COIL 6147 EAST SARAZEN ST SE OLYMPIA, WA 98513
M JUBIN JACKSON [Jubin] IEEE Member #07677743 PPIC Member Since 7/04 Subcommittee DCS	Office: 803-981-8357 Fax: 803-329-3838 Home 803-285-5697 E Mail: jacksonmj@bowater.com	BOWATER INC CATAWBA OPERATIONS 5300 CURETON FERRY RD CATAWBA, SC 29704
PRESTON L JACKSON [PJ] IEEE Life Senior Member #5294731 PPIC Member Since 4/85 Subcommittee DCS	Office: 205-988-0248 Home 205-988-0248 E Mail: p.jackson@ieee.org	PRESTON JACKSON Fax: 205-989-5302 352 VALLEY VIEW LANE INDIAN SPRINGS, AL 35124
R R JOHNSON [Rory] IEEE Senior Member #7822489 PPIC Member Since 9/83 Subcommittee FPS	Office: 253-924-6106 Fax: 253-924-6592 Home 253-529-4103 E Mail: rory.johnson@weyerhaeuser.com	WEYERHAEUSER COMPANY P O BOX 9777 FEDERAL WAY, WA 98063 9777

IEEE/IAS Pulp and Paper Industry Committee Members and Applicants

WALTER V JONES [Walt] IEEE Senior Member #5206859 PPIC Member Since 9/79 Subcommittee DCS	Office: 540-283-2365 Fax: 540-283-2397 Home 540-591-5227 E Mail: walter.jones@tmeic-ge.com	TM GE AUTOMATION SYSTEMS LLC 2060 COOK DRIVE SALEM, VA 24153
BURTON M JUDSON JR [Burt] IEEE Senior Member #3895372 PPIC Member Since 10/65 Subcommittee PCEMC	Office: 440-646-7242 Fax: 440-646-7352 Home 440-946-3668 E Mail: bmjudsonjr@ra.rockwell.com	ROCKWELL AUTOMATION 1 ALLEN BRADLEY DR MAYFIELD HEIGHTS, OH 44124
JOHN A KAY [John] IEEE Senior Member #04383360 PPIC Member Since 6/95 Subcommittee FPS	Office: 519-740-4734 Fax: 519-740-9871 Home 519-578-4836 E Mail: jakay@ra.rockwell.com	ROCKWELL AUTOMATION 135 DUNDAS STREET CAMBRIDGE, ON NIR 5X1
RICHARD D KIRBY [Richard] IEEE Senior Member #00821686 PPIC Member Since 12/05 Subcommittee PDS	Office: 281-335-0201 Fax: 281-335-0217 Home 281-648-2859 E Mail: richard_kirby @selinc.com	SCHWEITZER ENGINEERING 110 NASA PARKWAY SUITE 405 HOUSTON, TX 77058
DANIEL B KOBIDA [Daniel] IEEE Member #80369413 PPIC Member Since 8/07 Subcommittee PDS	Office: 859-372-9858 Fax: - Home 859-803-7338 E Mail: dan.kobida@postglover.com	POST GLOVER RESISTORS 4750 OLYMPIC BLVD ERLANGER, KY 41018
STAN KOMANDER [Stan] IEEE Senior Member #80430406 PPIC Member Since 9/06 Subcommittee DCS	Office: 479-648-5702 Fax: 479-649-5130 Home 479-285-1116 E Mail: skomander@baldor.com	BALDOR ELECTRIC 5711 R S BOREHAM JR ST FORT SMITH, AR 72902
MIKE R KOZLOWSKI [Mike] IEEE Senior Member #80100999 PPIC Member Since 6/05 Subcommittee DCS	Office: 864-284-5479 Fax: 864-284-5422 Home 864-963-4232 E Mail: mrkozowski@baldor.com	BALDOR ELECTRIC 6040 PONDER'S COURT GREENVILLE, SC 29615
ROGER G LAWRENCE [Roger] IEEE Senior Member #07845241 PPIC Member Since 8/07 Subcommittee DCS	Office: 919-515-6682 Fax: 919-460-0936 Home 919-460-9974 E Mail: rogerlawrence@rglsolutions.com	RGL SOLUTIONS 1017 MAIN CAMPUS DRIVE SUITE 2000 RALEIGH, NC 27606
TODD T LEGETTE [Todd] IEEE Senior Member #41478863 PPIC Member Since 9/06 Subcommittee PDS	Office: 513-248-6180 Fax: 901-214-0893 Home 513-575-0947 E Mail: todd.legette@ipaper.com	INTERNATIONAL PAPER CORPORATE TECHNOLOGY 6285 TRI RIDGE BLVD LOVELAND, OH 45140
JOHN S LEVINE [John] IEEE Senior Member #8838385 PPIC Member Since 5/92 Subcommittee PDS	Office: 770-565-1556 Fax: 770-973-9264 Home 770-956-0024 E Mail: john@L-3.com	LEVINE ELECTRONICS & ELECTRIC INC 200 POWERS FERRY ROAD MARIETTA, GA 30067
PATRICK J LINK [Pat] IEEE Senior Member #7042559 PPIC Member Since 6/93 Subcommittee DCS	Office: 706-883-6996 Fax: 706-883-6997 Home 706-883-7440 E Mail: plink@asdsinc.com	ADJUSTABLE SPEED DRIVE SERVICES 215 RIVER OAKS DRIVE LAGRANGE, GA 30240

IEEE/IAS Pulp and Paper Industry Committee Members and Applicants

KEVIN J LIPPERT [Kevin] IEEE Senior Member #41400356 PPIC Member Since 7/04 Subcommittee TSSC	Office: 412-787-6459 Fax: 412-494-3780 Home - E Mail: kevinjlippert@eaton.com	EATON ELECTRICAL 170 INDUSTRY DR RIDC PARK WEST PITTSBURG, PA 15275
BLAKE A LLOYD [Blake] IEEE Senior Member #2278919 PPIC Member Since 2/94 Subcommittee PCEMC	Office: 416-620-5600 x222 Fax: 416-620-1995 Home 905-625-4431 E Mail: blloyd@irispower.com	IRIS POWER LP 3110 AMERICAN DR MISSISSAUGA, ON L4V 1T2
ANTHONY S LOCKER [Tony] IEEE Senior Member #40053499 PPIC Member Since 7/04 Subcommittee PDS	Office: 513-404-2222 Fax: 877-847-0500 Home - E Mail: aslocker@ieee.org	CINCINNATI, OH 45230
ROBERT D LORENZ [Bob] IEEE Fellow Member #04992913 PPIC Member Since 6/00 Subcommittee DCS	Office: 608-262-5343 Fax: 608-262-5559 Home 608-273-3271 E Mail: r.d.lorenz@ieee.org	UNIVERSITY OF WISCONSIN MADISON 1513 UNIVERSITY AVE MADISON, WI 53706
JEFFERY L LOVELACE [Jeff] IEEE Senior Member #80239493 PPIC Member Since 10/05 Subcommittee DCS	Office: 479-649-5247 Fax: 479-648-5792 Home 479-648-1594 E Mail: jlovelace@baldor.com	BALDOR ELECTRIC P O BOX 2400 5711 R S BAREHAM JR STREET FORT SMITH, AR 72901
J ALAN LOWE [Alan] IEEE Senior Member #5796792 PPIC Member Since 12/86 Subcommittee DCS	Office: 770-688-2575 Fax: 770-688-2501 Home 770-921-4377 E Mail: alan.lowe@ieee.org	AMEC 1979 LAKESIDE PARKWAY SUITE 500 TUCKER, GA 30084
PATRICK J MALIE [Pat] IEEE Senior Member #61290912 PPIC Member Since 9/06 Subcommittee TSSC	Office: 937-746-4600 x211 Fax: - Home 937-428-9871 E Mail: pjmp@ieee.org	APEC INC 8465 GARNET DRIVE CENTERVILLE, OH 45458
JOHN E MALINOWSKI [John] IEEE Senior Member #41257491 PPIC Member Since 10/01 Subcommittee FPS	Office: 479-648-5909 Fax: 479-648-5872 Home 479-484-7898 E Mail: jmalinowski@ieee.org	BALDOR ELECTRIC CO PO BOX 2400 FORT SMITH, AR 72902
GEORGE R MATTO [George] IEEE Senior Member #6644249 PPIC Member Since 12/80 Subcommittee PCEMC	Office: 503-598-0598 Fax: 503-620-7447 Home 503-807-5101 E Mail: matto@okonite.com	THE OKONITE COMPANY SUITE 150 6777 SW BONITA ROAD PORTLAND, OR 97224
CHAD MCLELLAND [Chad] IEEE Applicant # PPIC Member Since 8/07 Subcommittee DCS	Office: 513-379-7432 Fax: - Home 513-583-1872 E Mail: chad.mclelland@siemens.com	SIEMENS ENERGY & AUTOMATION 4620 FOREST AVE NORWOOD, OH 45212
RONALD O MEIHOFFER [Ron] IEEE Life Senior Member #3809662 PPIC Member Since 5/66 Subcommittee DCS	Office: 770-992-4855 Home 770-992-4855 E Mail: r.meihofer@yahoo.com	EUROTHERM DRIVES INC RETIRED Fax: - 912 BARRINGTON OAKS RIDGE ROSWELL, GA 30075

IEEE/IAS Pulp and Paper Industry Committee Members and Applicants

LAWRENCE A MENCHE [Larry] IEEE Member #1917806 PPIC Member Since 4/94 Subcommittee PCEMC	Office: 270-927-7406 Fax: 270-927-8734 Home 270-281-4858 E Mail: larry.menche@domtar.com	DOMTAR PAPER COMPANY LLC 58 WESCOR RD HAWESVILLE, KY 42348
STANLEY Y MERRITT [Stan] IEEE Life Senior Member #3592797 PPIC Member Since 6/78 Subcommittee PDS	Office: 540-587-8976 Home 540-587-8976 E Mail: staarlen@aol.com	MERRITT AND ASSOCIATES INC Fax: 540-586-1837 1105 HAMPTON RIDGE BEDFORD, VA 24523
DAVID M MINTZLAFF [Dave] IEEE Senior Member #958229 PPIC Member Since 3/96 Subcommittee FPS	Office: 360-225-8267 x463 Fax: - Home 503-656-2212 E Mail: david.mintzlaflf@ieee.org	USNR 558 ROBINSON ROAD PO BOX 310 WOODLAND, WA 98674
DALEEP C MOHLA [Daleep] IEEE Fellow Member #06511885 PPIC Member Since 10/05 Subcommittee DCS	Office: 832-567-7102 Fax: 281-261-7081 Home 281-261-7081 E Mail: d.c.mohla@ieee.org	DCM ELECTRICAL CONSULTING 4702 SUMMER LAKES MISSOURI CITY, TX 77459
ROBERT M MONTGOMERY IEEE Senior Member #01849538 PPIC Member Since 6/99 Subcommittee PCEMC	Office: 843-745-3802 Fax: 843-745-3829 Home 843-572-3225 E Mail: rmm14@meadwestvaco.com	KAPSTONE 5600 VIRGINIA AVE PO BOX 118005 CHARLESTON, SC 29423 8005
DOUGLAS C MOODY [Doug] IEEE Senior Member #6296263 PPIC Member Since 6/00 Subcommittee PDS	Office: 301-359-3311 Fax: 301-359-2068 Home 301-729-5193 E Mail: dcm9@newpagecorp.com	NEW PAGE PAPER 300 PRATT STREET LUKE, MD 21540
CHARLES J MOZINA [Chuck] IEEE Member #02630234 PPIC Member Since 7/04 Subcommittee PDS	Office: 727-365-7858 Fax: 727-365-7858 Home 727-365-7858 E Mail: cmozina@aol.com	BECKWITH ELECTRIC 6190-118TH AVE N LARGO, FL 33773 3724
DENNIS K NEITZEL [Dennis] IEEE Senior Member #03026010 PPIC Member Since 7/04 Subcommittee TSSC	Office: 214-331-7315 Fax: 214-331-7363 Home 972-775-2620 E Mail: dennis.neitzel@avotraining.com	AVO TRAINING INSTITUTE INC 4271 BRONZE WAY DALLAS, TX 75237
FELIX J NEPVEUX [Felix] IEEE Senior Member #41482395 PPIC Member Since 7/04 Subcommittee PDS	Office: 864-676-6303 Fax: 864-676-4789 Home 864-297-0737 E Mail: felix.nepveux@jacobs.com	JACOBS ENGINEERING 1041 E BUTLER RD GREENVILLE, SC 29606
VERNON A NEWBILL [Vernon] IEEE Senior Member #05623178 PPIC Member Since 8/96 Subcommittee PDS	Office: 251-639-7314 Fax: 251-639-7314 Home 251-639-9088 E Mail: newbillv@bek.com	INTERNATIONAL PAPER-RETIRED MOBILE, AL 36695
C JERRY NUERNBERGER [Jerry] IEEE Senior Member #85030103 PPIC Member Since 8/07 Subcommittee PCEMC	Office: 425-644-6225 Fax: 425-401-2260 Home 425-466-9215 E Mail: jerrynuernberger@eaton.com	EATON 13205 SE 30TH STREET BELLEVUE, WA 98005

IEEE/IAS Pulp and Paper Industry Committee Members and Applicants

LARRY R OLSEN [Larry] IEEE Associate Member #85030083 PPIC Member Since 9/06 Subcommittee DCS	Office: 920-969-2190 Home 920-739-8486 E Mail: lolsen@ieee.org	WERNER ELECTRIC SUPPLY COMPANY Fax: 920-729-4484 2341 INDUSTRIAL DRIVE P O BOX 668 NEENAH, WI 54956
GAIL W PALMER [Bud] IEEE Senior Member #8421265 PPIC Member Since 12/87 Subcommittee PDS	Office: 919-770-2116 Fax: - Home 919-499-2967 E Mail: budinc2002@yahoo.com	BUD PALMER INC / QUAL TECH ENG 166 WOOD WEDGE WAY SANFORD, NC 27332
CRAIG M PINTO [CRAIG] IEEE Senior Member #41464658 PPIC Member Since 8/02 Subcommittee DCS	Office: 912-236-8001 Fax: 770-740-3578 Home 912-236-6409 E Mail: craigmpinto@ieee.org	SAVANNAH, GA 31405
DAVID C RAINS [David] IEEE Member #01243013 PPIC Member Since 8/07 Subcommittee DCS	Office: 281-799-0700 Fax: 832-550-2910 Home - E Mail: dcrains@weg.net	3219 STEPHENS CREEK LANE SUGAR LAND, TX 77478
W EDWARD REID [Ed] IEEE Member #06513980 PPIC Member Since 10/05 Subcommittee PDS	Office: 724-873-9275 Fax: 724-873-8910 Home 724-945-6704 E Mail: edreid@qualtecheng.com	QUAL TECH ENGINEERS INC 201 S JOHNSON ROAD SUITE 203 HOUSTON, PA 15342
DUNCAN J. RHODES [Duncan] IEEE Senior Member #02462950 PPIC Member Since 9/96 Subcommittee DCS	Office: 541-525-5777 Fax: - Home 541-505-7464 E Mail: duncanrhodes@ieee.org	4815 MAHALO DRIVE EUGENE, OR 97405
ROLAND P ROBERGE [Roland] IEEE Member #04256947 PPIC Member Since 8/07 Subcommittee PCEMC	Office: 864-458-7700 x280 Fax: - Home 864-286-3227 E Mail: roly.roberge@morganplc.com	MORGAN AM&T 251 FORRESTER DRIVE GREENVILLE, SC 29681
DAVID T ROLLAY [Dave] IEEE Senior Member #5480819 PPIC Member Since 4/82 Subcommittee TSSC	Office: 414-382-2163 Fax: 414-382-3681 Home 414-529-2427 E Mail: dtrollay@ra.rockwell.com	PACKAGED CONTROL PRODUCTS ROCKWELL AUTOMATION/ALLEN- 1201 SOUTH 2ND ST MILWAUKEE, WI 53202
PAUL J ROUILLIER [Paul] IEEE Senior Member #6520928 PPIC Member Since 9/90 Subcommittee TSSC	Office: 205-991-4177 Fax: 205-991-4225 Home 205-425-4323 E Mail: paul.rouillier@tmeic-ge.com	TMEIC GE 31 INVERNESS CENTER PARKWAY SUITE 500 BIRMINGHAM, AL 35242
RICHARD C SCHAEFER IEEE Senior Member #01440783 PPIC Member Since 6/98 Subcommittee PDS	Office: 618-654-2341 Fax: 618-654-2351 Home 618-539-5402 E Mail: richschaefer@basler.com	BASLER ELECTRIC BOX 269 RT 143 HIGHLAND, IL 62249
DELBERT E SEAVER [DEL] IEEE Senior Member #06391908 PPIC Member Since 8/95 Subcommittee DCS	Office: 940-384-9543 Fax: - Home 940-384-9542 E Mail: del.seaver@ieee.org	TMEIC-GE AUTOMATION SYSTEMS 6088 MOSS ROSE LANE AUBREY, TX 76227

IEEE/IAS Pulp and Paper Industry Committee Members and Applicants

EDWARD R SEXTON [Ted] IEEE Member #0477406 PPIC Member Since 9/90 Subcommittee PDS	Office: 514-341-3221 Fax: 514-341-3278 Home 514-935-2874 E Mail: sextont@abgs.com	JAAKKO POYRY ABGS INC 5250 FERRIER ST SUITE 700 MONTREAL, PQ H4P 1L6
RALPH W SHEAD [Ralph] IEEE Associate Member #4507711 PPIC Member Since 6/84 Subcommittee TSSC	Office: 770-921-9159 Fax: 770-921-1791 Home - E Mail: ralpga@aol.com	DIVERSIFIED SUPPLY 128 STONEVIEW DR LILBURN, GA 30047
RONALD H SIMPSON [Ron] IEEE Senior Member #4756805 PPIC Member Since 2/85 Subcommittee PDS	Office: 770-662-7083 Fax: 770-447-7722 Home 770-614-6845 E Mail: ron.simpson@ge.com	GE COMPANY 20 TECHNOLOGY PARKWAY SOUTH SUITE 300 NORCROSS, GA 30092
GLENN A SMITH [Glenn] IEEE Senior Member #04606034 PPIC Member Since 6/00 Subcommittee PDS	Office: 318-398-1007 Fax: 318-361-0962 Home 318-387-6774 E Mail: glenn.smith@ipaper.com	INTERNATIONAL PAPER 4101 JACKSON ST MONROE, LA 71202
MARK A SPEARS [Mark] IEEE Member #08727992 PPIC Member Since 10/05 Subcommittee DCS	Office: 678-234-2505 Fax: 678-804-1839 Home 770-614-0891 E Mail: markspears@ieee.org	ROCKWELL AUTOMATION 402 SPRING WILLOW DR SUGAR HILL, GA 30518
LARRY K THOMAS [Larry] IEEE Senior Member #2341568 PPIC Member Since 11/87 Subcommittee TSSC	Office: 541-484-2822 Fax: 541-484-7084 Home 541-484-2820 E Mail: larrythomas@ieee.org	L K THOMAS ENGINEERING INC 2820 CHUCKANUT EUGENE, OR 97408
JAMES R THRIFT [Russ] IEEE Senior Member #8842031 PPIC Member Since 5/88 Subcommittee PCEMC	Office: 404-506-6879 Fax: 404-506-6881 Home 404-816-8261 E Mail: jrthrift@southernco.com	GEORGIA POWER CO BIN 10195 241 RALPH MCGILL BLVD ATLANTA, GA 30308 3374
JAMES R TIMMS [Rick] IEEE Senior Member #03072659 PPIC Member Since 8/07 Subcommittee PDS	Office: 864-952-6362 Fax: 864-942-6339 Home 864-543-5201 E Mail: ricktims@eaton.com	EATON CORPORATION ELECTRICAL 2210 HWY 72/221 EAST GREENWOOD, SC 29649
MICHAEL G TRIBE [Mike] IEEE Senior Member #02047330 PPIC Member Since 7/04 Subcommittee PCEMC	Office: 503-553-8610 Fax: 253-928-2109 Home 503-658-2635 E Mail: mike.tribe@weyerhaeuser.com	WEYERYHAEUSER COMPANY 1300 SW 5TH AVE SUITE 500 PORTLAND, OR 97201
STEVEN TRUSSELL [Steven] IEEE Senior Member #40324950 PPIC Member Since 6/00 Subcommittee FPS	Office: 334-832-3519 Fax: 334-832-3050 Home 205-533-9248 E Mail: strusse@southernco.com	ALABAMA POWER COMPANY 200 DEXTER AVE PO BOX 160 MONTGOMERY, AL 36101
RICHARD H TURNER [Richard] IEEE Senior Member #40354015 PPIC Member Since 10/05 Subcommittee PDS	Office: 425-644-6242 Fax: 425-644-6220 Home 425-271-3876 E Mail: richardhturner@eaton.com	EATON ELECTRICAL 13205 SE 30TH STREET SUITE 101 BELLEVUE, WA 98005 4415

IEEE/IAS Pulp and Paper Industry Committee Members and Applicants

MARCELO E VALDES [Marcelo] IEEE Senior Member #07073679 PPIC Member Since 7/04 Subcommittee PDS	Office: 860-747-7782 Fax: 860-747-7797 Home - E Mail: marcelo.valdes@ge.com	GE CONSUMER & INDUSTRIAL 41 WOODFORD AVE PLAINVILLE, CT 06062
ANIBAL VALENZUELA [Anibal] IEEE Senior Member #40133961 PPIC Member Since 8/99 Subcommittee DCS	Office: 56-41-2203227 Fax: 56-41-2246999 Home 56-41-2285660 E Mail: anivalenz@udec.cl	UNIVERSITY OF CONCEPCION DEPT OF ELECTRICAL ENGINEERING CASILLA 160-C CORREO 3 CONCEPCION, CHILE
ROBERT VANDENABEELE IEEE Member #90636868 PPIC Member Since 7/09 Subcommittee PDS	Office: 954-294-6599 Fax: 904-213-8791 Home 954-294-6599 E Mail: rvandenabeele@national-electric-	NATIONAL ELECTRIC COIL 800 KING AVE COLUMBUS, OH 43212
WILLIAM S VILCHECK [BILL] IEEE Senior Member #06359673 PPIC Member Since 2/98 Subcommittee PDS	Office: 724-779-5853 Fax: 724-779-5869 Home 724-228-9163 E Mail: williamsvilcheck@eaton.com	EATON ELECTRICAL 130 COMMONWEALTH DR WARRENDALE, PA 15086
HENRY G WACHTER [Hank] IEEE Senior Member #8865289 PPIC Member Since 1/91 Subcommittee DCS	Office: 770-453-3470 Fax: - Home 770-622-4322 E Mail: hank_wachter@ieee.org	SIEMENS ENERGY AND AUTOMATION 5405 METRIC PLACE SUITE 100 NORCROSS, GA 30092
RICHARD D WATKINS [Rick] IEEE Senior Member #6686265 PPIC Member Since 10/89 Subcommittee PCEMC	Office: 770-492-2660 Fax: 770-493-0456 Home 770-972-6957 E Mail: rwatkins@dean-oliver.com	DEAN OLIVER INTERNATIONAL 4600 NORTH ROYAL ATLANTA DRIVE TUCKER, GA 30084
ALLEN J WATSON JR [AJ] IEEE Senior Member #41242614 PPIC Member Since 10/01 Subcommittee PCEMC	Office: 843-709-8323 Fax: 843-569-7446 Home 843-553-1095 E Mail: awatt101@hotmail.com	INSTRUMENTATION DESIGN 101 SADDLEBACK CIRCLE GOOSE CREEK, SC 29445
MARK D WEAVER [Mark] IEEE Senior Member #6235592 PPIC Member Since 1/85 Subcommittee DCS	Office: 262-5128667 Fax: 262-512-8227 Home - E Mail: 3quarks@ieee.org	ROCKWELL AUTOMATION 6400 N ENTERPRISE MEQUON, WI 53092
JON H WERKING [Jon] IEEE Member #80611642 PPIC Member Since 8/07 Subcommittee DCS	Office: 414-382-2213 Fax: 414-382-3681 Home 262-784-5958 E Mail: jhwerking@ra.rockwell.com	ROCKWELL AUTOMATION LVMCC 1201 S 2ND STREET MILWAUKEE, WI 53204
PETER H WERNER [Pete] IEEE Senior Member #5984190 PPIC Member Since 2/94 Subcommittee DCS	Office: 262-957-7931 Fax: - Home 262-957-7931 E Mail: phwerner@ieee.org	PH WERNER CONSULTING 250 H STREET NO 426 BLAINE, WA 98230
CRAIG G WESTER [CRAIG] IEEE Member #02543668 PPIC Member Since 7/09 Subcommittee PDS	Office: 770-729-6368 Fax: 678-731-1571 Home 770-271-5537 E Mail: craig.wester@ge.com	GE DIGITAL ENERGY MULTILIN 20 TECHNOLOGY PARKWAY SUITE 300 NORCROSS, GA 30092

IEEE/IAS Pulp and Paper Industry Committee Members and Applicants

PATRICK R WHATLEY IEEE Member #0304193 PPIC Member Since 7/09 Subcommittee PDS	Office: 205-663-4433 Fax: 205-663-9572 Home 205-664-4062 E Mail: patrick@plantpower.com	PLANT POWER & CONTROL SYSTEMS 179 AIRPARK INDUSTRIAL RAD ALABASTER, AL 35007
JAMES R WHITE [Jim] IEEE Member #04403077 PPIC Member Since 8/07 Subcommittee DCS	Office: 262-966-1923 Fax: 262-966-1924 Home 262-966-1917 E Mail: jwhite19@wi.rr.com	TMEIC-GE N79 W34497 PETERSEN RD OCONOMOWOC, WI 53066
WILLIAM D WILKENS [Bill] IEEE Senior Member #06358899 PPIC Member Since 9/06 Subcommittee DCS	Office: 224-521-8090 Fax: 224-521-4090 Home 847-265-0282 E Mail: bill.wilkens@anixter.com	ANIXTER INC WIRE & CABLE GROUP 2301 PATRIOT BLVD GLENVIEW, IL 60026
J C WILLIAMS [Jim] IEEE Senior Member #6930036 PPIC Member Since 5/80 Subcommittee TSSC	Office: 503-266-3991 Fax: - Home 503-266-3991 E Mail: jimw1@web-ster.com	J C WILLIAMS CONSULTING PO BOX 542 CANBY, OR 97013
BRIAN W WINTER [Brian] IEEE Senior Member #80198298 PPIC Member Since 6/05 Subcommittee DCS	Office: 216-642-1230 x1375 Fax: 216-642-6037 Home 440-933-4442 E Mail: bwinter@avtron.com	AVTRON MANUFACTURING INC 7900 EAST PLEASANT VALLEY DRIVE INDEPENDENCE, OH 44131
ALEX Y WU [Alex] IEEE Senior Member #4158077 PPIC Member Since 3/83 Subcommittee PDS	Office: 770-475-3838 x 11 Fax: 770-475-3232 Home 770-399-6081 E Mail: alexwu@ieee.org	GLOBAL ENGINEERING COMPANY P O BOX 88444 ATLANTA, GA 30356
CARLOS J YEPEZ [Carlos] IEEE Member #07256423 PPIC Member Since 7/04 Subcommittee PDS	Office: 973-746-4600 x 212 Fax: 937-746-5569 Home 937-748-5317 E Mail: yepez.cj@apec.com	ASSOCIATED PROF ENG CONSULTANT MIDWAY BUSINESS PARK 865 W CENTRAL AVE SPRINGBORO, OH 45066
MARK K ZAWADZKI [Mark] IEEE Senior Member #40238778 PPIC Member Since 7/97 Subcommittee DCS	Office: 513-248-6227 Fax: 513-248-6683 Home 513-576-0577 E Mail: mark.zawadzki@ipaper.com	INT'L PAPER - MFG TECHNOLOGY CTR 6285 TRI-RIDGE BLVD LOVELAND, OH 45140
DAVID ZIMMER [DAVE] IEEE Senior Member #41397354 PPIC Member Since 8/08 Subcommittee DCS	Office: 320-240-7236 Fax: 320-240-7259 Home 320-584-5256 E Mail: dave.zimmer@versopaper.com	VERSO PAPER 100 EAST SARTELL STREET SARTELL, MN 56377

IEEE/IAS Pulp and Paper Industry Committee Attendance

	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06
	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I
Robert Adams																		X/X	X/O	X/X	E/X	X/X	X/X	X/X	X/X
Tim Albers																			X/X	X/X	X/X	X/X	E/E	X/E	X/O
Keith Allen																									/X
Peter Baen																/X	O/X	X/X	X/E	O/E	E/X	X/E	O/E	X/E	O/E
Ronda Banks														X/E	O/X	X/X	X/X	O/X	E/X	X/X	X/X	X/X	X/E	X/E	O/X
Richard Barker																						X/O	O/E	X/O	E/O
Dale Basso																									
Robert Beltz																			E/E	O/X	O/O	E/O	E/E	X/E	O/O
John Bentley			X/E	X/X	X/E	X/X	X/E	X/X	X/X	X/X	X/X	X/X	X/E	X/X	X/X	X/X	X/X	X/E	X/E	E/E	X/E	X/O	X/E	X/X	X/E
Tom Blooming																									O/O
Kevin Borthwick																									O/E
Rob Boteler																							/X	X/E	X/X
Rich Butler																		X/X	X/X	X/O	X/E	X/X	X/X	X/E	O/O
Laurie Cihlar												/X	X/X	X/X	O/X	O/X	E/E	E/X	X/E	E/X	X/X	X/X	X/E	X/E	O/X
Geoff Clark																									/X
Roy Cosse																						E/X	X/E	O/E	X/X
Ray Crane	E/O	X/E	X/E	X/E	X/X	X/X	X/X	X/E	X/E	X/X	X/E	X/E	X/E	X/O	X/O	X/E	X/E	X/X	X/E	X/X	X/E	X/O	E/E	X/E	O/E
Tim Crnko																		X/X	X/X	X/E	X/X	X/E	X/E	E/E	E/X
Ray Crow																							X/E	O/O	O/E
Radu Curiac																									
Cathy Dalton																									
Norm Danz																									/X
Jay Das																			-/X	X/X	X/X	E/X	X/E	X/E	O/X
Greg Drewiske																								X/X	X/X
David Durocher																X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X
Stephen Dyrnes			/E	X/E	X/E	E/X	E/O	E/E	X/E	O/E	X/X	X/E	X/O	O/E	E/E	X/E	X/E	X/E	E/O	X/E	E/E	O/O	O/E	E/O	O/O
Brenda Etzel																									/O
Steve Evon																						X/O	X/E	O/O	O/O
Pete Famighetti							X/O	X/O	X/E	X/X	X/E	X/E	E/E	E/E	E/E	O/O	X/E	O/O	E/E	E/E	O/E	X/E	X/E	X/X	X/E
Michael Feldkirchner																								X/E	O/O
Richard Field																									
Lanny Floyd																					X/O	O/O	X/E	O/O	O/O
Russ Ford																			X/O	X/X	X/E	X/X	X/E	X/X	X/X
Bob Fritz	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	E/X	X/O	E/E	X/O	O/E	E/O	O/E	O/O	E/O	E/O	O/E	X/E	X/E	X/E	O/E
Bruce Graves			X/X	E/X	X/X	X/X	X/X	X/X	E/E	X/X	E/X	E/O	E/E	X/O	O/X	X/X	E/E	O/X	X/X	X/X	X/X	X/X	E/E	O/O	O/O
Don Grey																							X/X	X/X	X/E
Charlie Hardy																						X/O	O/E	O/O	O/X
James Harris																	-/X	O/X	O/X	X/E	X/E	X/X	E/X	O/E	E/E
Warren Henson																		O/X	X/E	O/X	X/E	E/O	O/E	O/O	O/X
Jeff Hill																									

George Matto	E/O	X/E	E/E	X/E	E/E	X/E	X/E	X/O	E/E	X/O	O/O	X/O	X/O	E/O	X/E	X/E	O/O	X/E	X/E	X/E	X/X	X/O	X/E	X/E	X/E	
Chad McLelland																										
Ron Meihofner	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	E/X	X/X	X/X	X/X	X/X	X/X	E/X	X/X	X/X	X/X	X/X	X/X	X/X	X/E	X/E	E/E	O/X
Larry Menche													X/E	X/X	X/O	X/E	E/E	X/X	X/O	E/X	X/E	X/X	X/X	X/E	X/X	
Stan Merritt	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	E/E	E/O	O/E	E/E	E/O	X/O	O/O	X/E	
David Mintzloff															O/X	O/E	O/E	O/E	X/O	X/E	X/X	X/E	X/E	O/X	E/O	
Daleep Mohla																									O/E	
Robert Montgomery																		-/X	X/X	X/X	E/X	X/E	X/E	O/E	X/E	O/O
Doug Moody																										
Chuck Mozina																								X/X	X/E	X/X
Dennis Neitzel																								X/E	X/E	X/X
Felix Nepveux																								X/E	X/E	X/O
Vernon Newbill																		X/O	X/X	E/X	O/E	X/E	E/E	E/E	O/E	O/O
Jerry Nuernberger																										
Larry Olsen																										/X
Bud Palmer							X/X	O/X	X/X	X/X	X/X	X/X	X/O	E/X	E/X	X/X	O/O	E/X	X/O	X/E	O/E	X/E	O/X	X/E	X/X	
Craig Pinto																						X/X	X/X	E/X	O/X	O/X
David Rains																										
Ed Reid									/X	X/X	X/X	X/X	X/E	E/X	E/X	X/X	X/O	O/O	E/O	X/E	O/E	O/O	O/D	X/E	X/O	
Duncan Rhodes																X/E	X/X	X/E	X/X	X/X	X/E	X/X	X/E	X/X	O/X	
Roland Roberge																										
Dave Rollay	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	E/X	X/X	X/X	X/E	X/X	X/X	X/X	X/X	X/X	X/X
Paul Roullier									/X	X/X	X/E	X/X	X/X	X/X	X/X	X/E	X/X	X/E	X/X	X/X	X/O	X/E	X/E	X/E	X/X	
Richard Schaefer																										
Del Seaver														/O	X/X	X/O	X/E	X/X	X/X	X/X	X/E	E/O	E/E	E/O	X/E	
Ted Sexton									/E	X/E	X/X	X/O	O/O	O/E	X/O	O/O	X/E	X/O	X/O	E/E	X/E	O/E	X/E	E/E	O/O	
Ralph Shead													/O	X/X	X/X	X/X	X/X	X/X	X/X	O/O	E/X	X/X	X/O	O/X	X/X	
Ron Simpson				E/X	X/X	X/X	X/X	X/X	X/X	X/X	X/O	X/X	X/X	X/X	X/X	X/E	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X
Glenn Smith																				X/O	X/E	E/E	E/E	X/E	O/O	X/E
Mark Spears																										X/O
Larry Thomas							E/E	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/E	E/E	X/E	X/X	X/E	
Russ Thrift							X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/E	X/X	X/X	E/X	E/X	X/X	X/X	
Rick Timms																										
Mike Tribe																								X/E	E/E	O/O
Steven Trussell																				X/O	X/E	X/E	E/O	O/E	O/O	O/O
Richard Turner																										X/X
Marcelo Valdes																								X/E	X/X	O/O
Anibal Valenzuela																				X/E	X/O	X/O	X/O	X/E	X/E	X/E
Bill Vilcheck															/X	X/X	O/X	X/X	X/E	X/X	X/X	X/E	X/E	X/X	X/X	X/X
Hank Wachter										X/O	X/E	X/X	X/X	X/E	X/E	X/X	X/X	X/X	E/E	O/X	O/X	E/X	X/X	X/O	X/O	
Rick Watkins							/X	X/X	X/X	X/O	X/X	E/X	X/X	X/E	O/X	X/X	O/O	O/O	X/X	X/X	X/X	X/O	X/X	O/X	O/X	
Allen Watson																				X/O	X/E	X/X	X/E	X/E	X/X	
Mark Weaver				X/X	X/E	E/X	E/X	X/X	X/E	X/E	X/X	X/E	X/X	X/X	E/E	X/X	X/E	X/X	X/X	X/X	X/X	X/X	E/X	X/E	E/E	O/X
Jon Werking																										

Pete Werner													X/O	X/X	X/O	E/E	X/X	X/E	X/X	X/E	X/O	X/X	X/X	X/X	X/E	
Jim White																										
Bill Wilkens																									/O	
Jim Williams	E/E	O/O	X/X	X/E	X/X	X/X	X/X	E/O	X/E	E/E	X/E	E/O	E/O	X/O	E/E	E/O	O/O	X/O	O/X	X/X	X/X	X/X	X/X	E/X	E/O	
Brian Winter																								X/X	O/X	
Alex Wu		E/X	X/X	X/X	E/X	E/X	X/X	X/E	X/O	X/E	X/X	X/X	X/O	X/X	X/X	X/X	X/O	X/X	X/X	X/X	X/X	X/X	X/X	X/E	X/E	X/X
Carlos Yepez																								X/E	O/O	O/O
Mark Zawadzki																/X	E/X	X/O	X/X	E/X	O/O	X/E	X/E	E/O	X/E	
Dave Zimmer																										
For 2009 Annual Meeting																										
No. Present		61																								
No. Excused		23																								
No. Absent		40																								
Total on Roll		124																								

X = Present E = Excused Absence O = Unexcused Absence R = Resigned or Retired D = Dropped Rev.
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APPENDIX H – AUTHOR’S GUIDE FOR 2010 TECH. CONFERENCE

INDUSTRY APPLICATIONS SOCIETY
Pulp & Paper Industry Committee

Author’s Guide
for

Preparation of papers for presentation at the

2010 Technical Conference
San Antonio, TX

June 20 - 24, 2010

Issue Date: September 1, 2009

IEEE PULP & PAPER INDUSTRY

TECHNICAL OPERATIONS COMMITTEE

AUTHOR'S GUIDE 2009-2010

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CO-AUTHOR'S DATA FORM.....55

IEEE COPYRIGHT FORM.....56

IEEE/IAS PULP & PAPER TECHNICAL OPERATIONS COMMITTEE

PAPER CONFERENCE PAPER FLOW

Due dates will vary depending on the actual dates of the conference and the interim meeting and are set by the Program Chair. A schedule guide for the 2010 conference follows on page 5 of this document.

The key person in the paper process is, of course, the author; however, it is the sponsor's responsibility to keep the author on schedule and to prod reviewers if necessary to meet their dates. In addition to keeping the paper and reviews on schedule, it is also the sponsor's responsibility to ensure that visual materials (Power Point presentation) will be legible and follows procedures for good presentation. The papers presented are to be technical in nature. Both the written and oral presentations are to be free of commercialism. The author(s) may identify their company association as part of the author's data. Company name or logo or vendors name and logo shall not appear anywhere else in the paper or presentation. Obvious displays of company names or logos in any other manner during the presentation, such as on clothing, are not tolerated. The sponsor shall be sure that this policy is enforced. The Subcommittee Chair is then responsible for the sponsors. The Program Chair's initial contact with the author during paper preparation is the "Invitation to Submit a Paper" email generated by ScholarOne Manuscripts, the system utilized by PPIC to evaluate papers for publication in *IEEE Transactions on Industry Applications* or *IEEE Industry Applications Magazine*. The Program Chair should receive monthly written reports from the Subcommittee Chairs between the interim meeting and the due date for the final manuscripts giving present status of all papers and panels for which they are responsible.

The schedule is as follows:

1. Sponsors suggest paper titles with authors at either the annual meeting or at the interim meeting. Outlines or abstracts are preferred at the annual meeting but 5 copies of the rough draft of the paper are required at the interim meeting. Note that an author cannot sponsor his or her own paper. If no sponsor is named, the Subcommittee Chair becomes the sponsor by default.
2. The Subcommittee at the interim meeting makes the final selection of papers. It is the responsibility of the paper author and sponsor to determine if the paper has been previously presented or published and bring that information to the attention of the subcommittee. The subcommittee is then responsible for determining if the paper is suitable for publication and presentation at the conference.
3. The Subcommittee Chair assigns a review committee of at least three members in good standing for each paper and furnishes them the rough draft of the paper at the interim meeting.
4. Within two weeks after the interim meeting, the Subcommittee Chair furnishes a complete list of all that subcommittee's papers with sponsors, authors and reviewers names to the Program Chair and Secretary (author's complete mailing address, telephone number and email address are required at this time).
5. Authors are directed to the Permanent Web Site where the most recent copy of this Guide is kept and updated (www.pulpandpapercommittee.com).
6. Sponsor is responsible to ensure that all reviews of the rough draft are returned to the sponsor by the due date. The sponsor will forward them to the author and notify the Subcommittee Chair that the rough draft has been reviewed.
7. Author prepares the final draft based on review comments and sends an electronic copy to the sponsor by the due date. Sponsor is responsible for getting the drafts to the reviewers on time and notifies the Subcommittee Chair that the final draft has been sent to the reviewers.
8. Sponsor ensures that the Author's Data & Release Form (page 13), the Co-Author's form (page 14), and the IEEE COPYRIGHT FORM (page 15 & 16) are mailed, faxed, or emailed to the Program Chair before the due date. These forms must be fully completed and signed.
9. Sponsor is responsible to ensure that all reviews of the final draft are returned to the sponsor by the due date. The sponsor will forward them to the author and notify the Subcommittee Chair that the final drafts have been reviewed.

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10. The Author prepares the final manuscript in accordance with the 2002 IEEE / IAS PPIC STYLE OF PAPERS AND PAPER FORMAT (filename: PPICPapersStyleGuide.doc), and mails one (1) electronic copy in 8 ½ x 11 Word for Windows format to the Program Chair. Upon receiving the invitation from ScholarOne Manuscripts, the Author also submits the final manuscript of the paper into ScholarOne Manuscripts in the same format. If required for the Conference Record, the Program Chair will convert the document to any other format such as Adobe Acrobat. Sponsor is to ensure that the schedule is met.
 11. The Program Chair makes up the program schedule and forwards it to the Local Conference Chair. The Program Chair also sends a "Letter to the Authors" outlining the final conference schedule showing presentation times to each author.
 12. The Program Chair sends manuscripts to the printer with the due date of the bound record to be sent to the Conference Chair.
 13. ScholarOne Manuscripts will alert the Prize Paper Awards Committee members when each final manuscript has been submitted for review.
 14. Oral presentations are made at the annual conference. The Sponsor shall encourage all authors to register for and attend the conference. The sponsor shall ensure that one author will be the presenter of the paper and encourage that presenter to pre-register. **Note:** All paper presenters, all new product presenters and most tutorial instructors are required to register, at least for the day of presentation or tutorial. If an author cannot attend and present, the sponsor will make arrangements for a suitable substitute presenter.
 15. Within two weeks after the conference, the Awards Committee furnishes a list of papers recommended for *IEEE Transactions on Industry Applications* publication along with the completed IAS review forms for each paper. The Awards Committee will also make recommendations for publication in the *IEEE Industry Applications Magazine* to the editor.
 16. The procedure has already begun for the next conference.

**IEEE/IAS PULP & PAPER TECHNICAL PAPER SCHEDULE
FOR
SAN ANTONIO, TX CONFERENCE JUNE 20-24, 2010**

Date	Action
June 21-25, 2009	Annual Committee Meeting: Title and Author suggested by Paper Sponsor
October 18-19, 2009	Interim Meeting: Rough draft available for reviewers
October 23, 2009 3rd Week of October 2009	Author's Guide posted on WWW site
November 19, 2009 3 rd Week of November 2009	Reviewers: Review of rough draft due
January 15, 2010 2 nd Week of January 2010	Authors: Final draft to reviewers
February 12, 2010 2 nd Week of February 2010	Reviewers: Review of final draft due. Authors: Author's Data & Release Form and Co-Author's Form sent to Program Chair/ Copyright Transfer form sent to Program Chair
March 12, 2010 2 nd Week of March 2010	Authors: Email final manuscript in 8½ x 11 dual column Word for Windows format to Program Chair
March 26, 2010 4 th Week of March 2010	Program Chair: Create invitations via ScholarOne Manuscripts
April 9, 2010 1 st Week of April 2010	Authors: Upload paper to ScholarOne Manuscripts via invitation
April 16, 2010 2 nd Week of April 2010	Program Chair: Manuscripts sent to printer
April 30, 2010 4 th Week of April 2010	Program Chair: Acknowledgment and schedule provided for Authors
June 4, 2010 1 st Week of June 2010	Awards Committee Members: Review of all conference papers via ScholarOne Manuscripts due
June 11, 2010 2 nd Week of June 2010	Program Chair: Bound copies of record sent to Conference Chair and IEEE Headquarters Authors: Email final presentation to Program Chair or Audio Visual Coordinator
Conference June 21-23, 2010	Authors: Author's Breakfast and oral presentation at conference
July 30, 2010 4 th Week of July 2010	Awards Chair: Manuscripts for Transactions and Industry Applications Magazine sent to IAS

Note: The exchange of large files via email is often not always possible. Sponsors and subcommittee chairpersons are encouraged to use the FTP site associated with the permanent conference web site at www.pulpandpapercommittee.com under the members login. The direct link to the FTP site is:

FTP Server: ftp.pulpandpapercommittee.com

Username: member

Password: handsomeblake

Please note that this is a public site and documents uploaded are available to anyone. Documents no longer needed should be purged from the site to save space.

PREPARATION AND HANDLING OF PAPERS

Paper Preparation:

Papers presented at the IEEE Pulp & Paper Industry Conference are initially prepared as conference papers. The originals supplied by the authors, are printed and bound together prior to the meeting, and are distributed at the time of registration in electronic and printed forms. The manuscripts must be prepared in strict accordance with the IEEE format outlined in the 2002 IEEE / IAS PPIC STYLE OF PAPERS AND PAPER FORMAT (filename: Style Sheet.doc) available on the PPIC Permanent Web Site (www.pulpandpapercommittee.com under the Future Conferences tab). IEEE official practices must be followed to ensure the quality of the papers and their presentation, and to save possible future retyping of the paper if the Pulp & Paper Committee recommends it, and it is accepted, for future IEEE publication. More detail on the IEEE/IAS style for technical papers can also be found on the IEEE web site.

Specific requirements and procedures for Pulp & Paper Conference papers are presented here as an aid to authors in meeting the minimum requirements.

Manuscripts should be as short as the nature of the subject will permit without detracting from interest or omitting vital information. Papers will have a maximum length of 15 pages. The Executive Committee must approve exceptions in advance.

Each paper should start with an abstract. It should be one paragraph, no more than 100 words so that it can be printed in the conference records or used for advance publicity. An abstract should be a concise clear presentation of your paper. It should convey to a reader the purpose of the paper and the results obtained without a great deal of intermediate detail.

The paper should be submitted in Word for Windows™ format. The paper in electronic form will be included in the conference record CD as submitted including color illustrations. The printed copy produced for the conference record master for printing will be black and white.

If the author presents material at the conference that is not included in the copy of the paper in the conference record, the material must be available in hard copy format for distribution at the time of presentation.

Rough Drafts:

Send an electronic copy of your paper in its preliminary or rough draft form to the sponsor for advance review as indicated in the timetable. It is possible that the committee may suggest some appropriate revisions in the paper before preparation of the final draft.

Final Drafts:

Send an electronic copy of your paper in its final draft form to the sponsor for further review as indicated in the timetable. It is again possible that the review committee may suggest further changes in the paper before the preparation of the final manuscript.

Conference Presentation:

The oral presentation should preferably be from notes rather than from the manuscript. Regardless of the length of the written manuscript, the oral presentation should be condensed so that it can be completed within the allotted time. The exact length of the oral presentation will be determined when the final conference schedule is established but normally the oral presentation will be limited to approximately 20 minutes. A short question and answer period normally follows the presentation.

The visual portion of the presentation (PowerPoint® preferred) must be provided to the Program Chair or Audio Visual Coordinator one week prior to the conference. Your presentation will be reviewed and transferred to a conference computer at that time. Although discouraged, any changes made after the submitted presentation

must be provided to the Audio Visual Coordinator at the Author's Breakfast the morning of the scheduled presentation. This presentation material is limited to use in making the presentation and not to be shared for any other purpose unless permission is granted by the author.

Paper Reviews:

ScholarOne Manuscripts is the computer based process used as the basis for review of papers for conference awards. A copy of the ScholarOne Manuscripts review form utilized by the Awards Committee members is included in Appendix A of this document.

Final Manuscript:

Mail an electronic copy of the paper (Email is optional) in 8 ½ X 11 Word for Windows format to the Program Chair. If the file size is large (i.e. more than 2MB) then the file should be uploaded onto the conference FTP site and followed with an email notification (information about the FTP site is outlined earlier in the document). All papers presented at the Conference will be bound and published as part of the conference record. The author must not number the pages. The Program Chair will number the pages of all papers. He will then send a hard copy of the numbered papers to the printer. An electronic copy will be included on the conference CD.

Per the invitation, upload the final manuscript into the ScholarOne Manuscripts by following the included instructions attached to the invitation.

Publication Policies and Regulations

It is the desire of the Pulp & Paper Committee to produce some IAS Transactions papers from each conference. A Transactions paper is one judged to have sufficient permanent reference value to merit publication in the Institute's official IAS Transactions as a result of formal review procedure. All papers are considered as candidates for Transactions status. Some papers presented at the conference may have been previously published or submitted for publication. It is the responsibility of the author to indicate this when submitting into ScholarOne Manuscripts to bring this to the attention of the Awards Chairman. Those selected may have to be rewritten in Transactions style (if not submitted in that form originally), and re-submitted at a later date for printing as a part of the world's permanent record of electrical engineering.

Papers are also considered for publication in the IEEE Industry Applications Magazine. Those selected may need to be rewritten to conform to the magazine requirements.

Before the annual PPIC Conference, Awards Committee Members from each operating subcommittee are selected to judge the quality, value and applicability of all conference papers. Each member completes a ScholarOne Manuscripts Review Form as shown in Appendix A. The paper scores are averaged amongst all members and inputs are used as a basis in determining which papers are submitted to the IAS for publication in IAS Transactions or IEEE Industry Applications Magazine. Every author interested in having his or her paper published is encouraged to review this information in order to gain a clear understanding of the selection criterion.

The papers to be presented at a IEEE IAS Pulp & Paper Industry Conference become the property of the IEEE and fall into one of the following three classifications. The author must not release the paper for publication to any other group or media without written permission of copyright release by the IEEE.

1. Papers recommended for Transactions Review

The Awards Committee Chair will submit those papers recommended for publication to the IAS Transactions editor for consideration.

Papers recommended should be specific to the industry in nature or involve a technical or technology issue facing the industry.

2. Papers recommended for IEEE Industry Applications Magazine

The Awards Committee Chair will submit those papers recommended for publication to the Industry Applications Magazine editor for consideration.

Papers recommended should be either of a general nature (applicable to more than one interest group) or new and/or novel in nature.

3. Papers Not Covered by Categories 1 or 2

All conference papers that have not been previously published by the IEEE will be submitted to the IEEE and become part of the IEEE Xplore on-line database, accessible to all IAS members worldwide. In addition, the Publicity Chair may release these papers to trade publications.

The Awards Committee Chair will inform authors if and when their papers are accepted for publication by any media.

An IEEE Authors Data & Release Form, Co-author's Form and IEEE Copyright Form are included in Appendix B. The primary Author is responsible to complete and sign the IEEE Authors Data & Release Form. Each Co-author is responsible to complete and sign the Co-author form. The Author or another responsible person in the organization employing the author is responsible to complete and sign the Copyright form. This form assigns all rights under copyright to the IEEE Pulp & Paper Industry Committee.

FACILITIES AVAILABLE FOR PRESENTATION

It is now the policy of the Pulp & Paper Industry Committee for visual presentations to be via PC-direct video presentations such as PowerPoint®. Any presentations using video presentation software other than PowerPoint® must be provided at least one (1) week before the conference to allow sufficient time to download programs or drivers. Only Microsoft Windows™ Operating Systems will be supported. Presentations should be provided via email before the conference, or on CD, DVD or USB memory device on the day **PRECEEDING** the presentation date. The following facilities are available for presentation:

1. Podium, podium light and pointer.
2. Screen with projection facilities for PC direct video projection equipment using PowerPoint®.
3. Presentation review can take place before or after the day's sessions depending on availability of AV equipment and crews.
4. Public address system with podium mike and/or lapel mike.

Authors requiring special facilities should advise the Program Chair at least 60 days prior to the Conference. Otherwise, the Conference Committee provides no other facilities than stated above.

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PC-direct video presentations such as PowerPoint® generally consist of a series of "slides." The slide presents a visual assistance to the speaker in emphasizing given points to the audience. However, poorly prepared slides or an ineffective use of visuals detracts from the presentation of the subject matter. Remember that these presentations are made in a large convention style room and slide clarity and readability should be considered.

1. One slide should be used to illustrate only one or two points. Excessive data or curves should be avoided.
2. Minimize written data on slides. Your audience has difficulty reading and listening simultaneously.

-
-
3. The first PowerPoint® slide should contain the paper title and the author data including their employer association and may contain the Company logo. Company name or logo shall **not** appear anywhere else in the presentation. Slides after the first slide shall NOT have anything commercial.

If you have any question about this guide or about the IEEE / IAS Pulp & Paper Industry Conference or the committee please contact:

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IDS, Inc.
4032 Col. Vanderhorst Circle
Mount Pleasant, SC 29466 USA

Phone: (843) 371-0700
Fax: (843) 216-9726
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Part A: Value of the paper

1. Is the subject of this paper of interest to members of IAS?

- Unequivocally within the scope of at least one IAS Committee
- Marginally within the scope of at least one IAS Committee
- Not directly within IAS scope, but of potential interest to members
- Outside IAS scope, but offers insight on related technologies
- Outside IAS scope, but offers insight on related technologies

2. Does this paper make a significant contribution to technical understanding?

- Contains a clear presentation of technology or application
- Presentation is complex and difficult to follow
- Conclusions appear valid but are not fully supported
- Authors' conclusions are questionable
- Contains substantive technical flaws

3. Does this paper present information that should be archived for reference?

- Excellent reference material for future researchers
- Assembles available information in a single reference
- Excellent bibliography of related work
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- Paper has no archival value

4. Does the paper present new technology or applications?



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- The concepts presented are not treated elsewhere
-
- I am aware of other papers that treat this subject
-
- Worthwhile tutorial review of generally available information
-
- This material has been well covered in previous papers
-
- This paper is a rehash of common knowledge

Part B: Technical writing

5. Is the paper well developed?

- Clear objective, well organized, easy to read and follow
-
- A clear objective is stated, but the presentation is complex
-
- The development could be enhanced with additional figures
-
- The development is confused and repetitive
-
- The development is confused and repetitive

6. Is the paper concise?

- The paper is tightly focused on one subject; less than or equal to 10 pages in length
-
- The paper is loosely organized; less than or equal to 10 pages in length
-
- The paper is loosely organized; greater than 10 pages in length
-
- The paper rambles; less than or equal to 10 pages in length
-
- The paper is loosely organized and too long; greater than 10 pages in length

7. Is the writing clear and understandable?

- The writing is clear and easy to follow
-
- The writing requires close study to comprehend its full content
-
- The writing is complicated by too much mathematics
-
- The writing contains serious problems with language usage
-
- The writing is incomprehensible

8. Do the format, illustration and tables enhance the value of the paper?

- Figures and tables are very legible and enhance understanding
-
- Figures and tables are very legible but of uncertain value
-
- Some figures and tables have legibility problems
-
- Serious legibility problem with figures and tables
-
- Formatting is careless and/or sloppy



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- Accept for publication in Transactions on Industry Applications:
- Accept for publication in Industry Applications Magazine:
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Appendix I - James A. Rooks Memorial Student Intern Program



In recognition of Jim's life-long contributions to the IEEE, The Pulp & Paper Industry Committee of the IEEE Industry Applications Society has established the James A. Rooks Memorial Student Intern Program. Every year our committee celebrates Jim's relentless compassion to bring young engineers into the industry by sponsoring engineering student interns working for industry manufacturing companies, to attend our annual PPIC technical conference at no cost. As Jim personified excellence in engineering, so too will the next generation of engineers be better prepared to meet industry challenges through exposure to technical papers and tutorials at the conference, and interaction with leading practicing engineers. Proceeds to fund this initiative come from the James A. Rooks Memorial Endowment established by the IEEE Foundation. You and/or your company can contribute to this fund by sending donations to; IEEE Foundation in memory of James A. Rooks, IEEE Development Office, 445 Hoes Lane, Piscataway, NJ 08854 or online at www.ieee.org/foundation. The IEEE Foundation is a 501(c)(3) not for profit and may qualify for company matching gift programs.

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This year marks the third consecutive year that we have proudly sponsored electrical engineering students to attend our annual industry conference. Young engineers working as interns for industry manufacturing companies are able to attend our annual conference at no cost. Proceeds to fund this initiative come from the James A. Rooks Memorial Endowment established by the IEEE Foundation. (Note: A portion of the travel & hotel expenses for this year's award winners is supported by the M.T. Zucker Endowment.)

Brock Armstrong *has just completed his sophomore year with plans to graduate in May 2011 as a BSEE student attending Auburn University in Auburn, Alabama. He currently has an engineering intern position working for International Paper in Prattville, AL. His sponsor is Randy Cox, Mill Electrical Engineer at the IP Paper Mill, Prattville, AL.*

Emily Hamilton *is scheduled to complete her junior year with plans to graduate in May 2010 as a BSEE student attending The University of Minnesota in Duluth, Minnesota. She currently has an engineering intern position working for SAPPI Fine Paper in Cloquet, MN. Her sponsor is Steven Mattson, Engineer at the SAPPI Paper Mill, Cloquet, MN.*

Corey Steinhoff *is scheduled to complete his junior year with plans to graduate in May 2010 as a BSEE student attending Michigan Technological University in Houghton, Michigan. He currently has an engineering intern position working for NewPage Corporation in Wisconsin Rapids, WI. His sponsor is Greg Drewiske, Project Engineer at the NewPage Paper Mill, Wisconsin Rapids, WI.*