



INDUSTRY APPLICATIONS SOCIETY

PULP & PAPER INDUSTRY COMMITTEE

MINUTES of the INTERIM FULL COMMITTEE MEETING

**2008 PPIC COMMITTEE MEETING
The Hilton Atlanta Airport Hotel, Atlanta, GA
Monday October 20, 2008**

FULL COMMITTEE MEETING

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**IEEE/IAS PULP & PAPER INDUSTRY COMMITTEE
2008 PPIC INTERIM MEETING
MINUTES OF THE FULL COMMITTEE
THE HILTON ATLANTA AIRPORT HOTEL, ATLANTA, GA**

OCTOBER 20, 2008

1. WELCOME AND INTRODUCTIONS

Dave Durocher called the meeting to order at 1:00 PM. He welcomed everyone to Atlanta and the Interim 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. SECRETARY'S REPORT

Rhonda Banks reported that the full committee minutes from the Seattle Conference were distributed via email to all committee members on October 3, 2008. Based on the feedbacks, the minutes were revised and reissued on October 7, 2008. Blake Lloyd posted the minutes of meeting on the committee website www.pulpandpapercommittee.com. Rory Johnson made a motion to approve the minutes and Duncan Rhodes seconded. The minutes were approved by the committee..

3. EXECUTIVE COMMITTEE REPORT

Alex Wu reported that 13 members were in attendance at the Executive Committee meeting. The meeting was held on Sunday from 6:00 PM to 7:50 PM and resulted in a good discussion on the issues facing this group. Some of the topics of interest were: 1) Starting 2009, all conference award papers will be honored at the following conference lunch section. Alex Wu will review the operation guide for the form of acknowledgement would be given. 2) Starting 2009, invitation letters for the interim meeting will be sent out to all committee members and to all the attendees from the previous conference as well. 3) At the end of 2008, Committee website would be moved to IEEE website. Access to the website would remain the same.

4. TRESURER'S REPORT/CONFERENCE AUDITS

Alex Wu reported the status of past, current and future conference as follows:

a) 2005 Conference – Richard Butler

Not yet be audited and need to submit proof of bank closure statement, 1099 and 1042 schedules to IEEE for audit. A surplus of \$44,000 has been sent to IEEE.

b) 2006 Conference – Duncan Rhodes

Audit was in progress. A surplus of \$67,000 has been sent to IEEE.

c) 2007 Conference – John Malinowski

Audit was completed. The book was closed. A surplus of \$47,891 was sent to IEEE. The total income was \$178,997 and the total expenses were \$131,106.

d) 2008 Conference – Richard Turner

If hotel would waive a disputed charge of a ~\$11,000 associated with the added space needed for the vendor exhibits, which should be within the hotel contract as it would provided all required meeting room space, and if the Birmingham conference would

cover the expenses of 2008 interim meeting, the Seattle conference would have ~ \$5,000 surplus.

e) 2009 Conference – Robert Adams

IEEE has approved the budget, and \$20,000 seed money has been received. It projects a \$30,000 surplus.

5. STANDING SUBCOMMITTEE REPORTS

A) MEMBERSHIP

Alan Lowe reported that our current committee membership is 123. Since the annual meeting in June 2008, we have had the following changes in membership:

Resigned/Retired – None

Dropped for Inactivity – None

New Members – 4 (Cathy Dalton, Bruce Honda, Jane Hutt and Dave Zimmer)

New Applicants – 1

At the annual meeting in June, we had 83 members present, 15 members that requested excused absences and 25 members with unexcused absences.

Ninety-two members, or 75% of our membership are at a member grade of Senior Member or higher.

The job sector distribution of our membership is as follows:

74 Vendors

27 Consultants

19 Mill people

2 Academic

1 Retired.

B) MAILING LIST

John Kay reported that he used the registration list from the Seattle 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	2721	
Stale Entries	697	[no attendance since 1998]
Entries removed this year	386	[no attendance since 1998*]
Added in 2008 to-date	<u>37</u>	
Entries with Email address	1918	<u>70.5%</u>

Approximately 250 entries are marked for removal this coming year (no attendance for the last 10 years AND no valid email address.

C) PUBLICITY

Rob Boteler reported that he would start to promote the Birmingham to all IEEE/IAS members.

D) PAPER AWARDS AND PUBLICATIONS

Mark Weaver reported that the following 2008 conference papers had been forwarded for publication:

PPIC 2008 papers forwarded to Carl Speck for publication in the Transactions:

"Dynamic On-Line Sensing of Shear Modulus of Elasticity" by Anibal Valenzuela, Robert Lorenz, and John Bentley

"Modified Medium Voltage Arc Flash Incident Energy Calculation Method" by Alex Wu

"Design and Application of Low Ratio High Accuracy Split Core, Core Balance Current Transformers" by J.C Das, & Randy Mullikin

PPIC 2008 papers forwarded to Louie Powell for publication in the Magazine:

"On-Line and Non Intrusive Continuous Motor Energy and Condition Monitoring in Process Industries" by Bin Liu, David Durocher and Peter Stemper

"Application Guidelines for High Resistance Grounding of Low Voltage Common AC Bus & Common DC Bus PWM Drives Systems" by Gary Skibinski, Zhijun (Tim) Liu, Robert van Lieshout, Richard Lukaszewski, and Michael Tuchalski

"Upgrading Power System Protection to Improve Safety, Monitoring, Protection, and Control" by Jeff Hill & Ken Behrendt

"Learnings from Arc Flash Hazard Assessments" by Daniel Doan & Jennifer Silvka

"Case Studies in Arc Flash Reduction to Improve Safety and Productivity" by Ottmar Thiele, & Vernon Beachum

"One Mill's Response to a Specific Type of Arc Flash Problem" by Warren Hopper

"Application of Medium Voltage Cable Predictive Diagnostics" by Benjamin Lanz & Bruce Broussard

"Permanent Magnet Motors for Energy Savings and Power Density in Industrial Applications" by Michael Melfi, Steve Evon & Robbie McElveen

"Application of Digital Radio for Distribution Pilot Protection and Other Applications" by Rich Hunt, Mark Adamiak, Steel McCreery, & Al King

E) PPIC AWARDS

Rory Johnson reported he has received one nominee for Service Award from last year and has not yet received nominee for the Engineering Award. He indicated that the nominees do not necessary to be a member of the PPIC committee members. The recipient of the 2008 meritorious Service Award was Rory Johnson and the recipient of the 2008 Meritorious Engineering Award was Warren Hopper.

F) FELLOWS NOMINATIONS AND IAS MEMBERSHIP

John Kay reported that PPIC has two Fellow nominations, Blake Lloyd and John Kay resubmitted by other committee to the 2009 Fellows class.

The IEEE Fellows Review Committee would issue their report in late November.

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, one 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. If you're not a senior member it's time to also consider an application.

Nominations are now being accepted for the IEEE Fellows class of 2010. The deadline for nominations is 1 March 2009. If you believe someone is worthy of this nomination from within the ranks, please speak to me. It would be an honour for me to assist in the process, on your behalf. The sooner this process begins the better. Nomination forms normally need to be completed and submitted by February. This seems like a long way off but it's always best to start the planning now.

6) LIAISON REPORTS

A) IEEE/IAS

Dave Durocher reported that PPIC has been an active and contributing member of IAS. Mark Weaver is the past Publication Chair, Blake Lloyd is the outgoing Electronic Commerce Chair and is in line to become the IAS president for year 2013-2014 and Dave Durocher is the current Process Industries Department Chair. PPIC 's participation has enable PPIC to benefit as members of IAS in areas such as Society co-funding of the James A Roots Student Intern program.

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

B) PAPTAC (CPPA)

PAPTAC held its 94th Annual Meeting February 5-9, including the EXFOR 2008 products display, at the Palais des Congres in Montreal, QC had a [27% reduction in attendance!](#)

With the marked downturn in the technical program attendance PAPTAC has made changes!

Format has changed and the program shortened. Plans are already under way for PaperWeek 2009 which will be held from February 3 - 4, 2009. The location of the conference has also moved to the Queen Elizabeth Hotel.

C) TAPPI

Burt Judson reported that TAPPI would sponsor a Drive system short course in 2009 PPIC conference in Birmingham, AL. The short course would be a full day, 8 hour section. TAAPI will share the profit with the 2009 IEEE PPIC conference.

D) IEEE - STANDARDS

John Kay solicited assistance from the Executive Committee to give feedback for brainstorming ideas to continue the efforts of this council. A meeting will be held tomorrow morning (10/21/08) to decide future meeting dates/conference calls.

E) IEEE ELECTRICAL SAFETY WORKSHOP

Larry Thomas reported that Robert Adams would be attending the next Electrical Safety Workshop scheduled for February 22 through March 2, 2007 in Calgary, Alberta. The workshop website is:

<http://www.ewh.ieee.org/cmte/ias-esw/index.html>

7) OPERATING SUBCOMMITTEE REPORTS

- A) EMMC – APPENDIX B
- B) PDS – APPENDIX C
- C) TSSC – APPENDIX D
- D) DCS – APPENDIX E
- E) FPC (Ad Hoc) – APPENDIX F

8) 2008 Seattle conference Report

Richard Turner reported that the Seattle conference finance was not yet finalized. If hotel would waive a disputed charge of a ~\$11,000 associated with the added space needed for the vendor exhibits, which should be within the hotel contract as it would provided all required meeting room space, and if the Birmingham conference would cover the expenses of 2008 interim meeting, the Seattle conference would expect a ~ \$5,000 surplus. The total registration of the conference was 268, which consists of the following:

18 – One-Day

6 – Life members

4 – Students

150 – Full Registration

90 – Guests

Among the attendees, there were 47 first time attendees, 24 mill attendees and 31 authors. 160 attended banquet, 160 attended social event and 91 attended tutorials.

9) FUTURE CONFERENCES

A) 2009 – Birmingham, AL

Robert Adams reported that IEEE has approved 2009 Birmingham conference budget. It has projected \$169,530 income and \$139,663 expenses with a possible surplus of \$29,867.

B) 2010 – San Antonio, TX

No report from Peter Bean.

B) 2011 – Nashville, TN

Solicit volunteers.

10) Birmingham Conference Technical Paper – Author’s Guide

Ronda Banks reported that she will submit the final version of the 2009 papers to the manuscript Central and the copy of all papers to all paper graders for grading. The author’s guide for 2009 Birmingham conference technical paper is shown in Appendix H.

11) OLD BUSINESS

A) AD HOC - SUSTAINABILITY

Dave Durocher reported that 47 mill personnel had attended the 2007 conference. Thank you letters to those were sent out on July 18, 2008. Pre-conference invitation letters will be sent out on January 4, 2009 to mill. Dave Durocher offered an update on the Sustainability Ad Hoc Committee activities. He reiterated that the mission of this group was to singularly focus on increasing attendance by industry engineers (representative from user companies, both at mills and headquarters) at our annual conference. He noted that there has been a trend of increased attendance over the last several conferences.

This past September “Thanks for attending” letters and an extra CD copy of the 2007 conference record were sent to industry engineers that attended the Seattle conference. Plans for January 2009 in sending a “Remember to include the 2009 Birmingham Conference in your employer personal development plan” letter with an abbreviated list of papers/tutorials and memorable quotes to the global email list of industry engineers.

Future plans are as follows:

April 2009 Plan to send a “Did you know?” letter to global email list, promising that attending the conference would help to:

- 1) Establish technical relationships
- 2) Enhance technical knowledge
- 3) Meet world-renowned experts
- 4) share best industry practices
- 5) Complete employer’s continued education requirements
- 6) Earn credit hours to retain a Professional Engineering license
- 7) Minimize time away from the mill.

May 2009 Plan to send same group of industry engineers a list of papers & conference hotel extension update.

B) AD HOC COMMITTEE – PERPETUATION

John Kay reported that the Ad Hoc Committee has not met since before the annual conference. This has been a result of his schedule. As part of the PPIC executive he is looking for a replacement chairman for this group.

The Committee would continue to monitor the success of the Ad Hoc Sub-Committee for Forest Products.

The Committee also plans to,

- Establishment 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 that there were no meetings conducted between the Annual Meeting and Interim Meeting.

Four Interns were present for the 2008 Seattle Conference:

Luis Tomioka, NewPage – Wisconsin Rapids, WI
Curtis Taylor, Weyerhaeuser – Albany, OR
Matthew Swallow, Domtar – Hawesville, KY
Jeffrey Floyd, NewPage – Wisconsin Rapids, WI

IAS will reimburse airfare and other costs on an ongoing basis, so this should eliminate the need for mentors to run the interns on their expense account, or have the interns providing a short term loan.

Interns were doubled up in rooms to save costs. This seemed to work well. No negative feedback was received on this.

Final cost for program was \$5747, of which \$1800 was provided by the Rooks Memorial Fund.

Recommendations for 2009:

- The Local Committee should provide 2 queen rooms in Birmingham as was done in Seattle. This will eliminate the issues with hotel rooms for the interns.
- Approve a budget of \$8000 for 2009

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

What did you like Most?

What I liked the most was I was part of this professional program. Heard all the recent technical insights, socialized with the industry's experts, and experienced the finest things that Seattle has to offer.

- What I liked best about the PPIC conference was the chance to meet other engineers from other mills and the supporting pulp & paper industries, going to the vendor's dinners at night and visiting the Pacific Northwest for the first time. The overall experience and technical presentations presented at the conference will help foster and grow my young engineering career.
- There were a lot of things that I liked about this conference. The thing that I liked the best was the warm welcome to the first time attendees, and the effort of the people to make this conference successful from organizing the event all the way to the technicality of the papers. Also, I gained a lot of experiences listening to the latest topics and issues in the industry in general. There were a lot of topics that it involves not just the pulp and paper industry but many other industries. And for last but not least the location was an excellent choice.
- I liked how there was a real sense of camaraderie between all individuals, even those who are actually competitors.

What did you like Least?

What I liked least was the bus ride to the Seattle Aquarium. I had to wait in the hot bus for it to fill up, and then drive ~10 blocks to Aquarium. While some people walked there and got there first.

- What I least liked about the PPIC conference was the feeling of a “state of confusion” during some of the technical presentation of papers and a lack of an orientation as a 1st time attendee.
- I guess, my inexperience and the high technical level of the papers made some of the presentation a little bit harder to understand but that was one of my goals to slowly gain that experience and apply it in a near future.
- The only thing I didn't like was that some papers seemed to need more time for proper explanations, but that would create a very long conference.

What did you learn?

- The concerns, problem, and solutions in the Pulp & Paper Industry.
- How important professional societies are.
- How to analyze distribution centers (the seminar).
- The purpose of the NEC (seminar).
- The beautiful relationship between vendors and their clients.
- During some of the paper presentations, I was able to pick out pieces that I have heard of in class or at work, or I could figure out how to apply their methodology. I would have to say I learned a lot from the tutorial given by Ron Simpson on power distribution engineering.
- I gained a new perspective for the Paper and Pulp industry. I learned about that some of the issues in our mill are very common to others, and I compared new ideas for future projects. Also, I learned about the new regulations of NEC (NFPA 70E) and how they affect the industry. And in general, the comparison of how other mills in addressing issues and how they apply new technology to their mills versus how it has been done in the past.
- I learned that even in a very application based environment there is still room more R & D and very technical work.

What could be improved at the Conference?

- It was very difficult and uncertain arranging the hotel room, so smoothing that process would be nice.
- I would be very supportive of a Rooks intern / 1st time attendees' orientation the day before the conference. This could be a 1 day orientation the day before the conference were Rooks intern / 1st time attendees' can get a tour of the conference host city, and can meet all of the committee chairs in person. (It's nice to put a name on an e-mail to a face) and have more of a 1-on-1

interaction with committee members and the board. As a former resident assistant, I have some good ideas and tips of how to make an effective orientation that is personable and professional.

- I guess I would promote more the IEEE conferences and involve more people on writing great technical papers. Extend memberships among the other committees, my impression about the committees was that a lot of the engineers were more focus on the power and drive side, maybe trying to get more electrical engineers from different disciplines among their organizations to bring a balances in the IEEE pulp and paper organization. I also understand that it's pretty hard to get people write papers especially on future developing topics due to competitive advantage and trademark secrets and all that good stuff.
- The program was run very smoothly. I was impressed at how closely we were kept on schedule. Unfortunately I can think of nothing to improve on it.
- Just a little more heads up on the speech. However, at the end I did get many people coming up to me and saying "you're that kid from the Midwest" who would shared there unique stories of growing up in the Midwest and how they felt they had to move away from home due to "rust belt" industries leaving states like Michigan, Ohio, and Wisconsin.

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

- Definitely, it changed the perspectives of the Paper industry more than before. There are a lot of potential and develop/expansion for the pulp and paper industry.
- I enjoyed the keynote speaker Masood Akhtar, and share his views that pulp mills may serve two purposes. One, to continue to create pulp for paper products, and two, to use the byproducts of pulp making use them as a way to create clean, green alternative energy. With that being said, I think the Pulp & Paper Industry will be sustainable in North America, and possibly expand if pulp byproduct can become an alternative energy source.
- Also my point of view changed on something close to home. Growing up near the Kalamazoo, MI area, there use to be numerous paper companies along the Kalamazoo River in Parchment, Plainwell and Otsego. Today, none of those mills exist due to pressure by the state of Michigan, environmental groups and the economy. I still think these sites could be used and with a little bit of work, come back into the industry, and help diversify Michigan's failing economy
- This conference changed my view of the Pulp & Paper Industry. It showed me that it is filled with professionals shaping the future and that paper just does not grow on trees.

Other Comments

- It was an honor to attend to this conferences and I very thankful for everyone that make possible my attendances to this conferences. Also, the Rooks foundation is a great idea for bringing new engineers especially to this industry and I hope future participants will enjoy and learn as much as I did.

C) JAMES A. ROOTS MEMORIAL & IEEE FOUNDATION

Dave Durocher reported that the foundation currently has a fund of \$75,070, which includes donations from individual and industry of \$41,035 and IEEE matching fund of 34,035. He hoped that the fund would reach \$100,000 by the end of 2008, which would be the end of IEEE matching program. He encouraged all members for additional contributions through online registrations.

12) NEW BUSINESS

A) COMMITTEE WEBSITE

The committee website at URL <http://www.pulpandpapercommittee.com> would be moved to IEEE website by the end of 2008.

Blake Lloyd has been maintaining this site, and any new information to be posted on the site should be forwarded to the Webmaster listed on the site. Most of the information on the site is accessible to all with certain portions locked by passwords. Members can access this site using the username "member" and the password "handsomeblake". Members of the Executive Committee use the password "reallyhandsomeblake".

B) EMERITUS MEMBER DISCOUNT

Dave Durocher proposed PPIC would need to provide some discounts for emeritus members so that the committee members would benefit from their insights and experience and he would form a group of members to come up the details by June 2009. The program shall start in 2010. He would use the PPIC guideline for deciding the qualification of becoming an emeritus member.

THE MEETING WAS ADJOURNED AT 3:30 PM.

Appendix A - FINAL FULL COMMITTEE AGENDA
FULL COMMITTEE AGENDA
IEEE PULP & PAPER INDUSTRY COMMITTEE
INTERIM MEETING
THE HILTON ATLANTA AIRPORT HOTEL – ATLANTA, GA
OCTOBER 20, 2008
1:00 PM to 4:00 PM

- | | |
|--|-----------------|
| 1 - Welcome & Introductions | Dave Durocher |
| 2 - Review/Approval of Minutes of June 2006 Conference Meeting | Rhonda Banks |
| 3 - Executive Committee Report | Alex Wu |
| 4 - Treasurers Report/Conference Audits | Alex Wu |
| 5 - Standing Subcommittee Reports: | |
| A – Membership | Alan Lowe |
| b – Mailing List | John Kay |
| c – Publicity | Rob Boteler |
| d – Paper Awards/Magazine and Transaction Submittals | Mark Weaver |
| e – PPIC Awards Nominations | Rory Johnson |
| f – Fellows Nominations | John Kay |
| 7 - Liaison Reports: | |
| a – IEEE – IAS | Dave Durocher |
| b – PAPTAC (formerly CPPA) | John Kay |
| c – TAPPI | Burt Judson |
| d – IEEE - Standards | Duncan Rhodes |
| e - IEEE - Standards Projects Coordinating | Richard Barker |
| f – Electrical Safety Workshop | Larry Thomas |
| 7 - Operating Subcommittee Reports: | |
| a – EMMC | Alan Watson |
| b – DCS | Greg Drewiske |
| c – PDS | Bill Vilcheck |
| d – TSSC | Norm Danz |
| e – FPC (Ad Hoc) | John Kay |
| 8 – 2008 Seattle Conference Report | Rich Turner |
| 9 – Future Conferences | |
| a – 2009 – Birmingham, AL | Robert Adams |
| b – 2010 – San Antonio, AX | Peter Bean |
| c – 2011 and beyond | John Malinowski |
| 10 – Birmingham Conference Technical Papers – Manuscript Central | Rhonda Banks |
| 11 – Old Business | |
| a – Ad Hoc - Sustainability | Dave Durocher |
| b – Ad-Hoc - Perpetuation | John Kay |
| c – JA Rook Student Interns & Young Engineers | Greg Drewiske |
| d – James A Rooks Memorial & IEEE Foundation | Dave Durocher |
| 12 – New Business | |
| a – Committee Website | Blake Lloyd |
| b – Emeritus Member Discount | Dave Durocher |

Adjourn Full Committee Meeting on or before 4:00 PM!

APPENDIX B - EMMC SUBCOMMITTEE MEETING MINUTES
INDUSTRY APPLICATIONS SOCIETY
PULP & PAPER INDUSTRY COMMITTEE
EMMC SUBCOMMITTEE MEETING MINUTES

Meeting Date: October 20, 2008

Meeting Start: 8:00 AM

Meeting Adjourned: 11:45 AM

Recorded By: Allen Watson

Total Members: 18

Members Present: 8

Rhonda Banks	Larry Menche
Dave Durocher	Robert Montgomery
Burt Judson	Roland Roberge
Blake Lloyd	Allen Watson

Visitors: 1

Ralph Russaw

Members Excused: 9

Peter Bean	Jerry Nuernberger
Dale Basso	Mike Tribe
Laurie Cihlar	Steven Trussel
Tim Hoy	Rick Watkins
George Matto	

Members Not Excused: 1

Russ Thrift

2009 Paper Reviewer:

Larry Menche

Introduction

Introductions were made and a list of the EMMC members was circulated for attendance and updates.

General Business

Highlights of the Executive Committee Meeting were reported.

- Give Rooks Student Intern Nominations to Greg Drewiske
- IAS approved another matching gift program until end of year for the Jim Rooks Student Intern Program. There will be a space on the conference registration to give to this program.
- 47 industry engineers were at the Seattle Conference.
- Seattle Conference – 178 total, 90 guests, 44 first-time attendees and 116 subcommittee attendees.
- Robert Adams needs help with keynote speaker for Birmingham Conference.
- Need a volunteer for the power point operator in Birmingham.
- Norm Dantz will be the new TSSC Chair.
- Nominations for Meritorious awards should be given to Rory Johnson.
- Changes to operating guide concerning approved Treasurer responsibilities will be posted on the website.

New Business

The list of proposed papers was reviewed and updated with changes. New paper topics were discussed.

Larry Menche will be the paper grader and Blake Lloyd will be the back up.

The PCEMC Subcommittee will discuss about proposing to the Executive Committee about creating a Meritorious Committee for the retired members.

Roland Roberge volunteered to be the committee vice chair.

Meritorious Award Nominees

None at the meeting. Members were encouraged to submit names at a later date.

Future Papers

Reference the Microsoft Excel database that accompanies the minutes for the list of future papers.

EMMC FUTURE PAPERS

Number	Subcommittee	Title	Status					Year	Paper	Panel	Tutorial
			A	B	C	D	E				
2003-2	EMMC/CBS	WIRELESS ETHERNET NETWORK for REMOTE CONTROL of a CHIP RECEIVING SYSTEM				1		2009	1		
2006-2	EMMC	Development in Industry Lighting		1				2009	1		
2006-3	EMMC	Generation Interconnections, A Case Study					1	2009	1		
2007-2	EMMC	Future of Fieldbus Networks					1	2009	1		
2007-4	EMMC	Paper Machine Automation Update – “Big Bang rather Than a Staged Incremental Approach – Case History			1			2009	1		
2007-7	EMMC	Managing Shaft Current Bearing Issues			1			2009	1		
2007-12	EMMC	Topic on Emission Control									
2007-13	EMMC	High Voltage Terminations Heat Shrink versus Cold Shrink (panel?)								1	
2007-14	EMMC	Paper Process Instrumentation									
2007-15	EMMC	On-Line Maintenance Monitoring is it a worth while cost?									
2007-16	EMMC	On-site Co-generation Plants Selling Back to Power Company									
2007-17	EMMC	Case Study/Demonstration of Pump Master Software			1			2009	1		
2008-1	EMMC	Challenges of Being a Student Intern at a Paper Mill					1		1		
2008-2	EMMC	Emerging IEC Standards for Motor for VSD Applications		1				2009	1		
2008-3	EMMC	Ethernet Networking for Process Control					1	2010	1		
2008-4	EMMC	Proper Application & Maintenance of Molded Case Circuit Breakers to Assure Safe	1					2009	1		

		& Reliable Operation									
2008-5	EMMC	Valuation of Energy Audit					1			1	
2008-6	EMMC	Commutation of DC Motors Operated at Reduced Field Current	1					2009		1	
2008-7	EMMC	DC Motor Maintenance						2009			1
2008-9	EMMC	Overhead Distribution Power Line Construction			1			2009		1	
2008-10	EMMC	Motor Testing Facts, Critical Skills					1	2009		1	
2008-11	EMMC	NFPA and Its Implications on Thermo graphic Inspection	1							1	

TOTAL 3 2 4 1 6 16 1 1

APPENDIX C - PDS SUBCOMMITTEE MEETING MINUTES**INDUSTRY APPLICATIONS SOCIETY
PULP & PAPER INDUSTRY COMMITTEE
POWER DISTRIBUTION SYSTEMS (PDS)
SUBCOMMITTEE MEETING MINUTES****Meeting Date:** October 20, 2008**Meeting Start:** 8:00 AM **Meeting Adjourn:** 10:30 AM**Recorded by:** Bill Vilcheck**Total Membership:** 38 **New Members:** 1**Guests:****Members Present:** 13

ROBERT L ADAMS	BOB BELTZ
GEOFF CLARK	J C DAS
GUS HENSON	DAN KOBIDA
JOHN S LEVINE	TONY LOCKER
CHARLES J MOZINA	RONALD H SIMPSON
RICH TURNER	WILLIAM S VILCHECK
ALEX Y WU	

Members Excused: 14

CATHERINE DALTON	STEPHEN DYRNES
RICHARD FIELD	BRUCE GRAVES
JEFF HILL	RICHARD HUNT
DOUG MOODY	FELIX NEPVEUX
BUD PALMER	ED REID
RICHARD SCHAEFER	GLENN SMITH
RICK TIMMS	MARCELO VALDES

Members Unexcused: 11

TOM BLOOMING	ROY COSSE
BRENDA ETZEL	CHARLES J HARDY
JANE HUTT	RICHARD KIRBY
TODD LEGETTE	STAN MERRITT
VERNON A NEWBILL	TED SEXTON
CARLOS J YEPEZ	

Guests: 0**Members Transferred:** None**Resignations:** None

Meritorious Award Nominees: 0

2008 Paper Graders: Jane Hutt and Dan Kobida, backup

Introduction

Bill Vilcheck welcomed all present to the Atlanta PDS Subcommittee interim meeting. Each member and guest 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 relationship between Committee Treasurer and Conference Committee
- Manuscript Central and paper grading
- Consider updating Subcommittee scope statement.
- The 2009 PPIC meeting will be held in Birmingham on June 21 – 26.

Future Papers

The subcommittee engaged in a rigorous discussion regarding the relevancy of technical papers submitted for Birmingham. See the attached table.

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.
3. The subcommittee reviewed the PDS scope statement and determined that it was relevant. No suggestions were given for updating.

New Business

No new business.

PDS Subcommittee adjourned at 2:30 PM.

Please contact the writer with any comments or corrections.

PDS FUTURE PAPERS

Number	Title	Status	Year
2008-2	Changes in Industrial and Utility Power System Communications and Controls	B	2010
2008-4	CT Selection	C	2010
2008-10	TUTORIAL - Feeder Protection and CT Saturation		2009
2008-17	Application of High Resistance Grounding with New Technology to Reduce Hazards	B	2009
2009-1	Switching Transient Analysis and Specifications for Practical Hybrid High Resistance Grounded Generator Applications, An IEEE/IAS/I&CPS Working Group Report #2	A	2009
2009-2	Failure Modes of Generators	C	2009
2009-3	Lessons Learned from Generator Tripping Events at Industrial Facilities	A	2009
2009-4	What the Time-Current Curves Won't Tell You	A	2009
2009-5	Proper Testing of Protection Systems Ensures Against False Tripping and Unnecessary Outages	A	2009
2009-6	Innovative, Robust, and Secure Industrial Solutions Using Microprocessor Relays	A	2009
2009-7	Study of Generator Source Short-Circuit Currents with Respect to Interrupting the Duty of Generator Circuit Breakers, EMTP Simulation, ANSI/IEEE and IEC Methods	A	2009
2009-8	TUTORIAL – Industrial Power Systems Number 2		2009
2009-9	Digital Relaying Enables Evaluation of Mill Generator Mis-Synchronizing Events	B	2009
2009-10	Calculating Incident Energy Released with Varying Fault Magnitudes	A	2009
2009-11	Utility Reclosing and Industrial Motors	B	2009
Paper Status	2009		
A	7		
B	3		
C	1		
D	0		
E	0		
Tutorial	2		
Panel	0		
Total	13		

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

Interim Meeting – Atlanta, GA
MINUTES of MEETING

Meeting Date: October 20, 2008

Recorded by: Norm Danz

Members Present: Ralph Shead
Norm Danz
Pat Malie
Dave Rollay
Total: 4

Members with an
Excused Absence: Tim Crnko
Larry Thomas
Total: 2

Members with an
Unexcused Absence: Lanny Floyd
D. Ray Crow
Paul Rouillier
Jim Williams
Bob Jordan
Kevin Lippert
Jim Harris
Richard Barker
Total: 8

Total Members: 14

Introductions

The meeting was called to order by Chairman Norm Danz.
All attendees and guests introduced themselves. Attendance was taken with correction to contact information.

Announcements & General Business

This interim meeting is the deadline to submit nominations to the Executive Committee for the 2009 Meritorious Service and Meritorious Engineering awards. There were no nominations for either award.

Status of 2008 Technical Papers, Updates, & Tutorials

	A	B	C	D	E
Papers		2	3		1
Arc Flash Research Update*			1		
Tutorials		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 110308 for details.

Other Business

TSSC Chair: Norm Danz was confirmed by the Executive Committee as the new TSSC Chair.

Adjournment

The meeting was adjourned at 10:30am.

**APPENDIX E - DCS SUBCOMMITTEE MEETING MINUTES
DRIVES AND CONTROL SYSTEMS SUBCOMMITTEE
IEEE/ IAS PULP & PAPER COMMITTEE
2008 INTERIM MEETING MINUTES**

Meeting Date: Monday, October 20, 2008
Meeting Started: 8:03 AM
Meeting Adjourned: 11:40 AM
Chairman: Greg Drewiske
Vice Chairman/Secretary: Darren Honaker
Total Members: 49
Members Present: 14
Members Excused: 9
Members Not Excused: 26
Guests: 1

Introduction

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

Announcements

- Reminder committee members need to keep IAS membership up-to-date. You will get a notice from Allen Lowe if you are not a member of IAS.
 - IAS has agreed to a 100% match all donations to Rooks Memorial Fund, up to \$20,000. Your donation now will make an even bigger impact.
 - Soliciting interns for the 2009 program – IAS and Rooks Fund will support to a \$2000 cap. Talk to Greg Drewiske if you have a candidate. Applications will be distributed in early 2009.
- Reminder from Greg 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.
Still looking for a Power Point operator for the 2009 Conference.

Old Business

Review of DCS Minutes from Seattle Annual Meeting: Minutes approved as sent.

Future Conferences are scheduled as follow:

2009	Birmingham, AL	Robert Adams is Local Chair
2010	San Antonio, TX	Peter Baen is Local Chair
2011	Nashville, TN	Need Volunteer

Standing Meritorious Award nominees Duncan Rhodes for Service. Nominees will remain on the nominations list until they are withdrawn, ineligible or are presented with the award. New nominees along with forms need to be turned in by the Interim Meeting.

New Business:

Paper Reviewers for 2009 is Duncan Rhodes with Jim White as backup. Discussion of a new Standard: "Recommended Practice for AC Drive Installation". Duncan Rhodes reviewing with IEEE on creating a standard. Meeting was held in Atlanta and a work group formed.

Review of Papers:

See attached spreadsheet

Paper count is:

Level	2009	2010
A	6	1
B	9	3
C	3	5
D	0	1
E	0	3
Tutorial	2	1
Panel 1	0	

Appendix A – 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):

9/15/08 Author Data Sheets to Program Chair

10/20/08 Interim Meeting. Rough drafts available for reviewers.

Author kits to authors (sent by sponsors)

10/24/08 Author Guide is posted on website

11/21/08 Reviews of rough Drafts due.

01/16/09 Final drafts to reviewers (sent by sponsors)

02/13/09 Review of final drafts due.

Copyright transfer form, Author's Data & Release forms sent to Program Chair.

03/13/09 Final manuscript sent to Program Chair.

04/03/09 Manuscripts sent to printer.

04/17/09 Acknowledgment and schedule sent to authors.

06/12/09 Bound copies of record sent to Conference Chair.

06/22/09 2009 IEEE Conference Birmingham, AL

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				
2003-9	DCS	Multi-Drive Control Issues for Electronic Line Shaft Implementation	1					2009	1		
2003-14	DCS	Paper Machine Dryer Section Tuning	1					2009	1		
2004-25	DCS	Impact of Medium Voltage Drives on Design and Inspection of MV Motors		1				2010	1		
2005-13	DCS	On-Machine Diagnostics of Machine Variables using FFT Analysis		1				2010	1		
2005-15	DCS	Update on IEEE 841 Spec.				1		2010	1		
2006-3	DCS	Modeling and Evaluation of Dryer Section of Paper Machines Driven by Gear Trains	1					2009	1		
2006-6	DCS	Modeling the Common Mode Noise on Low Voltage Drive and Motor System		1				2009	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				2009	1		
2006-20	DCS	Bearing Currents in Inverter-fed AC Drive	1					2009	1		
2007-2	DCS	Effectiveness of Grounding Brushes			1			2010	1		
2007-4	DCS	Case Study for Special Application Motors in the Forest Products industry		1				2009	1		
2007-7	DCS	Review of Upcoming Changes to Global Motor Efficiency Regulations		1				2009	1		
2007-8	DCS	TAPPI/IEEE Drives Short Course	1					2009			1
2007-10	DCS	Comparison of Current High Efficiency Motor Technologies: Permanent Magnet, Switch Reluctance and Die Cast Copper Rotors			1					1	
2007-11	DCS	Field Experience with Acceleration Feedback in Paper Machine Drive Regulatory			1			2009	1		
2007-12	DCS	Case Study for Using VFD's on Pumps to Replace Recirculating or Throttling System				1		2011	1		
2007-14	DCS	Integrating Existing Systems with Web Technologies		1				2009	1		
2007-15	DCS	VFD Cabling and Termination (Service Wire) – Same as Appleton	1					2009			1
2007-16	DCS	Medium Voltage VFD Cabling					1	2010			1
2008-2	DCS	An Expert System for the Detection of Condensate Accumulation in Dryer Cylinders		1				2009	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				2009	1		
2008-4	DCS	Magnetic Noise in Induction Motors		1				2009	1		

2008-5	DCS	Practical Issues for Power Cabling Terminations on VFD			1			2010	1		
2008-6	DCS	Low Base Speed Water Cooled Motors for Direct Drive of Dryers			1			2009	1		
2008-7	DCS	Application Consideration of Cup Motors					1	2010	1		
2008-8	DCS	Practical Issues for Power Cabling Terminations on Low Voltage VFD Fed Motors					1	2011	1		
2008-9	DCS	Conditioning Monitoring of Capacitors in Drives	1					2010	1		
2008-10	DCS	Retrofit of steam Turbine ID Fan Drive to a Variable Frequency Drive		1				2009	1		
2008-11	DCS	Comparison of Different Ethernet Architectures					1	2010	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	2011			1
		2009 Totals	6	9	3	0	0		15	1	2
		2010 Totals	1	3	5	1	3		12	0	1
		2010 Totals	0	0	0	1	2		2	0	1
		Total	7	12	8	2	5		29	1	4

APPENDIX F - Forest Products Subcommittee Interim Meeting Minutes

October 20, 2008

Meeting was called to order at approx. 8 AM,

2 present, 3 Excused Absences, 1 Guest

We discussed the possibility of creating a responsibility list where we would create a list of possible names/contacts for the FP subcommittee/conference. The list would be used to solicit persons for the up coming conference and possible committee membership.

John will create a document and begin to assign persons for contact. Each member will provide list of names and email addresses to John. Role of the contact person will be to make first contact with the persons assigned to them for responsibility then regularly (quarterly perhaps) make contact to remind them of the conference and the conference content.

We also concluded that we need to have a document that could be used as a catch document/flyer for handout. John will see if he can secure some resources from Rockwell Automation to create a tri-fold style brochure. Rory will talk to Rob Boetler about getting the word out the forest products publications again this year.

We discussed names for services awards, the following names were suggested;
Duncan Rhodes (held over from last year)
George Matto
Preston Jackson
Bob Fritz
Bob Lorenz
Bruce Graves
Pete Famegetti

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
2009	1	0	2	2	0	5	0	1 – ½ day
2010	0	0	0	3	20	23	0	0
2011	0	0	0	0	1	1	0	0

John Kay will be presenting a paper on LV/MV arc resistant equipment installations
We have one ½ day Tutorial from John Mazurkiewicz, from Baldor, on The Fundamentals of Servos.

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

We adjourned approximately 11 AM.

APPENDIX G - MEMBERSHIP REPORT

IEEE PULP & PAPER INDUSTRY COMMITTEE

1/

October 2008

IEEE/IAS Pulp and Paper Industry Committee Members and Applicants

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	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	07	08				
	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	A/I	A/I				
Robert Adams																		X/X	X/O	X/X	E/X	X/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	X	O				
Keith Allen																									/X	X	X				
Peter Baen																/X	O/X	X/X	X/E	O/E	E/X	X/E	O/E	X/E	O/E	X	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	X	X			
Richard Barker																							X/O	O/E	X/O	E/O	E	O			
Dale Basso																											O				
Robert Beltz																				E/E	O/X	O/O	E/O	E/E	X/E	O/O	O	E			
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	X	X				
Tom Blooming																									O/O	E	O				
Kevin Borthwick																									O/E	X	X				
Rob Boteler																							/X	X/E	X/X	X	X				
Rich Butler																			X/X	X/X	X/O	X/E	X/X	X/X	X/E	O/O	O	E			
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	E	E	E				
Geoff Clark																								/X	X	X	X				
Roy Cosse																							E/X	X/E	O/E	X/X	O	O			
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	X	E				
Tim Crnko																			X/X	X/X	X/E	X/X	X/E	X/E	E/E	E/X	X	X			
Ray Crow																								X/E	O/O	O/E	E	X			
Radu Curiac																											X				
Cathy Dalton																											X				
Norm Danz																								/X	E	X	X				
Jay Das																				-/X	X/X	X/X	E/X	X/E	X/E	O/X	X	X			
Greg Drewiske																								X/X	X/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	X/X	X/X	X	X			
Stephen Dyrnes	/E	X/E	X/E	E/X	O	E/	E/E	X/E	O/E	X/X	X/E	X/O	E	O/	E/E	X/E	X/E	X/E	E/O	X/E	E/E	O/O	O/E	E/O	O/O	O	X				
Brenda Etzel																								/O	X	X	X				
Steve Evon																							X/O	X/E	O/O	O/O	E	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	X	E			
Michael Feldkirchner																								X/E	O/O	X	X	X			
Richard Field																											X				
Lanny Floyd																							X/O	O/O	X/E	O/O	O/O	O	X		
Russ Ford																				X/O	X/X	X/E	X/X	X/E	X/X	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	E	O				
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	X/X	E/E	O/O	O/O	E	X			
Don Grey																								X/X	X/X	X/E	X	X			
Charlie Hardy																							X/O	O/E	O/O	O/X	O	O			
James Harris																				-/X	O/X	O/X	X/E	X/E	X/X	E/X	O/E	E/E	E	O	
Warren Henson																				O/X	X/E	O/X	X/E	E/O	O/E	O/O	O/X	E	O		
Rick Hoadley																											X	X			
Tony Holliday																											O				
John Holmquist	/E	X/E	X/X	X/X	X/E	X/X	X/E	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/X	X/X	X/X	X/E	X/X	X/X	X/E	X	X			
Darren Honaker																								X/E	O/O	X/X	X	X			
Bruce Honda																											X				
Warren Hopper																							X/E	O/O	X/E	X/E	X/E	X/O	X	X	
Tim Hoy																								X/O	O/O	X/E	X/E	E/E	O/O	E	E

INDUSTRY APPLICATIONS SOCIETY
Pulp & Paper Industry Committee

Author's Guide
for
Preparation of papers for presentation at
the
2009 Technical Conference
Birmingham, AL

June 21 - 25, 2009

Issue Date: October 13, 2008

IEEE PULP & PAPER INDUSTRY

TECHNICAL OPERATIONS COMMITTEE

AUTHOR'S GUIDE 2008-2009

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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 2009 conference follows on page 4 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 only contact with the author during paper preparation is the posting of the necessary forms. 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.

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8. Sponsor ensures that the Author's Data & Release Form (page 10), the Co-Author's form (page 11), and the IEEE COPYRIGHT FORM (page 12 & 13) are mailed, faxed, or emailed to the Program Chair before the due date. These forms must be fully completed and signed. 4/
 9. Sponsor is responsible to ensure that all reviews of the final draft are mailed 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.
 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. 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 sends copies of all papers to the Prize Paper Award Committee members; sends manuscripts to the printer with the due date of the bound record to be sent to the Conference Chair and sends an acknowledgment of receipt of the manuscript and a conference schedule showing presentation times to each author.
 12. 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.
 13. Within two weeks after the conference, the Award Committee furnishes a list of papers recommended for IAS TRANSACTIONS publication along with the completed IAS review forms for each paper. The Awards Committee will also make recommendations for publication in the IEEE Industrial Applications Magazine to the editor.
 14. The procedure has already begun for the next conference.

**IEEE/IAS PULP & PAPER TECHNICAL PAPER SCHEDULE
FOR
Birmingham, AL Conference June 21-25, 2009**

Date	Action
June 22-26, 2008	Annual Committee Meeting. Title and Author suggested by Paper Sponsor.
October 19-20, 2008	Rough draft available for reviewers.
October 24, 2008 3rd Week of October 2008	Author Guide is posted on WWW site.
November 21, 2008 3 rd Week of November 2008	Review of rough draft due
January 16, 2009 2 nd Week of January 2009	Final draft to reviewers
February 13, 2009 2 nd Week of February 2009	Review of final draft due. Author's Data & Release Form and Co-Author's Form sent to Program Chair. Copyright Transfer form sent to Program Chair
March 13, 2009 2 nd Week of March 2009	Email final manuscript in 8½ x 11 dual column Word for Windows format to Program Chair
April 3, 2009 1 st Week of April 2009	Manuscripts sent to printer
April 17, 2009 3 rd Week of April 2009	Acknowledgment and schedule provided for Authors.
June 12, 2009 2 nd Week of June 2009	Bound copies of record sent to Conference Chair and IEEE Headquarters
Conference June 22-24, 2009	Oral presentation at conference
July 17, 2009 2 nd Week of July 2009	Review forms for IAS Transactions papers due to Program Chair from Awards Chair.
July 31, 2009 4 th Week of July 2009	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 we can print it in the conference records or use 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.

Visual portion of the presentation (PowerPoint® preferred) must be provided to the Program Chair or Audio Visual Coordinator a minimum of 24 hours before the scheduled presentation. Your presentation will be reviewed and transferred to a conference computer at that time. This presentation material is limited to use in making the presentation and not to be shared for any other purpose.

Paper Reviews:

The IAS Technical Paper Review form is used as the basis for review of papers for conference awards. A copy of this is included in Appendix A of this document and is also available from the Program Chair or from the IEEE/IAS web site.

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.

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 paper sponsor to determine if the paper has been published or submitted for publication and bring that 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, Paper Graders from each operating subcommittee are selected to judge the quality, value and applicability of all conference papers. Each paper grader completes a Technical Paper Review Form as shown in Appendix A. The paper scores are averaged amongst all graders 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 Pulp & Paper Industry Conference become the property of the Pulp & Paper Committee and fall into one of the following three classifications. Authors are encouraged to indicate their desire to have their papers placed in one of these categories. The author must not release the paper for publication to any other group or media.

1. Papers recommended for Transactions Review

The Program 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 Program 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 will be submitted to the IEEE and become part of the IEEE Explore on-line database, accessible to all IAS members worldwide. In addition, the Publicity Chair may release these papers to trade publications.

The Publicity 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.

HOW TO PREPARE MATERIAL FOR PRESENTATIONS

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:

Rhonda D. Banks - Program Chair 06/09
IDS, Inc.
4032 Col. Vanderhorst Circle
Mount Pleasant, SC 29466 USA

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Fax: (843) 216-9726
E-Mail: rdbanks@ieee.org



IEEE Industry Applications Society Technical Paper Review Form



Society Paper No. _____ [Year] IEEE / IAS PPIC Due date for review : [Due Date]

Title: _____

Authors: _____

Paper Review For (complete or check one): Send review to: [Name,] Paper Review Chair
[Contact Information]

- Pulp & Paper Industry Committee
 Society Prize Paper Committee Prize Paper

Part 1. Parts I, II, & III must be answered.

A. What is the new contribution of this paper? (Please distinguish between what the author states and what you believe to be an unbiased assessment.)

B. Based upon your technical review effort, estimate the amount of time (in days) you believe a knowledgeable engineer would need to develop a working understanding of the paper's contribution. (Note that excessive difficulty should be grounds for rejection.)

C. Does the title of the paper accurately reflect the major focus contribution of this paper? (Please suggest changes as appropriate.)

Part 2. Paper numerical score.
 After reading the paper, provide scores for each item in Sections A & B on a scale of 0 to 10, 0-2 = poor, 3-5 = average, 6-8 = good, 9-10 = excellent. Total quality scores over 100 generally indicate a paper suitable for Transactions.
Note: It is important that the reviewer provide brief, written comments to support the scores on attached sheets of paper. See Technical Paper Review Guidelines for Numerical Scoring for a description of each scoring category on overleaf.

A. Subject		1) Reader interest			
		2) Importance			
		3) Reference Value			
		4) Originality			
		5) Subtotal: sum of items A1 to A4			
		6) Total: 2x item A5			
B. Writing		1) Analysis and development: completeness and technical clarity			
		2) Conciseness			
		3) Clarity (in writing)			
		4) References to past work other than just that of the authors			
		5) Format, illustrations, tables			

Part 3. Reviewer Recommendations

<p>Transactions Recommendation</p> <p><input type="checkbox"/> Accept for Transactions without change</p> <p><input type="checkbox"/> Accept for Transactions with revisions specified*</p> <p><input type="checkbox"/> Reject for Transactions (give reasons)</p>	<p>Prize Paper & IAS Magazine Recommendation</p> <p>Paper merit consideration for prize award? Yes No</p> <p>Paper contents should be considered for use in the IAS Magazine? <input type="checkbox"/> <input type="checkbox"/></p>
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Please note: A total score of 100 or above typically provides grounds for Transactions acceptance.
 * Use separate sheets or a copy of the paper for comments and suggestions for revision. Indicate whether revisions are mandatory or suggested. Please use word processing, typed format if possible.

Reviewer signature _____ Date: _____

Reviewer's name _____ Tel: _____

Reviewer's address _____



Technical Paper Review Guidelines for Numerical Scoring

Score each quality on the scale of 0 to 10. Thus, 0-2 is poor, 3-5 is below average or fair; 6-8 is above average or good, and 9-10 is excellent or outstanding. Add scores for qualities of "subject" and "writing", giving points for "subject" a weight of two. The sum of scores for weighted "subject" and "writing" is the total quality evaluation of the paper. A perfect score would consist of 80 points for "subject" and 50 for "writing".

Above average total scores should be considered "Technical Committee (TC) approved" and eligible for a "Department approved" rating, and for being considered for publication in the IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS. Papers of very high ratings will be considered for Committee, Department, and Society prize awards. Further review and rating of the "TC approved" papers will be made to select those papers to be considered for "Department approved".

Subject

1. *Reader interest:* What fraction of the technical community will be interested in the subject?
2. *Importance:* Is the subject important or trivial? Is it timely? Does it contribute something of value to the understanding of the field for those less expert than the reviewer? Is it too limited in scope?
3. *Reference value:* Does the paper have permanent reference value?
4. *Originality:* Affirmative answers to this question should lead to a high score on this point. Does it present a new concept, design or product? Does it bring together known facts to reveal new meaning? Does it report research extending the range of application of material or designs? Does it significantly correct or redefine current practice? If the paper is a survey of the state of the art, does it display originality in its selection and evaluation of previously published material? Does it reveal an area in which progress is delayed for the want of new materials or information?

Writing

1. *Analysis and development:* Does it present an adequate analysis of the problem and logically develop its conclusions? Is there experimental evidence to support the conclusions? Is experimental work described adequately to permit duplication and confirmation? Is the background information adequately presented? If presented at a meeting, will it provoke discussion? Does it contain matter objectionable to IEEE policy? Does it advocate special interest? Does it accomplish its purpose? Are there inaccuracies? (If so, the reviewers should indicate in a supplementary statement.) Is it logically arranged and organized?
2. *Conciseness:* Is it unduly "wordy" or "padded"? Is there anything that could be condensed or omitted? Should figures be combined or omitted? Could some tables be combined or omitted?
3. *Clarity:* Is the paper clearly written? Should there be additional illustrations to clarify the meaning? Is there need for more tabulated data?
4. *References to past works:* Does the paper bring the reader up to date on the subject by giving adequate references to any past writing on the subject other than just that of the authors?
5. *Format, illustrations, and tables:* Does that paper conform to TA Society requirements as to format, illustrations, and tabular data? Did the author follow IEEE and IAS style?

IEEE/IAS PULP & PAPER COMMITTEE
AUTHOR'S DATA AND RELEASE FORM

<i>Name:</i>		<i>Company:</i>	
<i>Home Address:</i>		<i>Work Address:</i>	
<i>City/St/ZIP:</i>		<i>City/St/ZIP:</i>	
<i>Home Phone:</i>	<i>Work Phone:</i>	<i>FAX:</i>	
<i>: E-mail Address:</i>			
<i>Position or Title</i>			
<i>IEEE Member Grade:</i>		<i>Other Affil:</i>	

Paper Title:

Author's Release:

"I, the author, will make every effort to submit the paper titled above for the 2008 Pulp and Paper Conference. If I am the presenter, I commit to register for, and attend the 2008 conference in Birmingham, AL, June 21-25, 2009. I agree to follow the schedule set forth in this Author's Guide. I will release the paper described above for use by the IAS/IEEE Pulp and Paper Industry Committee in accordance with the current IEEE Publication Policies and Regulations and I will be able to sign the IEEE copyright release form when the paper is submitted."

Author: _____ Date: _____
 (Signed)

Has this paper been previously published, submitted for publication or to be submitted for publication: Yes: ____ No: ____
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APPENDIX G – Conference Paper Publication Results

Technical Paper Publication from 2006 Conference

IAS Magazine			
Title	Authors	Est. Publication Date	Actual Publication Date
Effects of Power Quality Distortions on Electrical Drives and Transformer Life in Paper Industries: Simulations and Real Time Measurements	Adel Nasiri	Sept-07	
Application of IEEE STD 519-1992 Harmonic Limits	Thomas Blooming		Jan-07

PUBLICATIONS

Proper Cable Installations Practices for AC Drives	George Matto		Mar-07
Engineering Selection for an ID Fan Drive: Steam Turbine or VFD Electric Motor Drive	Warren Hopper	Nov-07	
Integrated Protection and Control Systems with Continuous Self Testing	Michael Thompson	Sept-07	
Line Shaft Experience with Partial Sectionalization of a Paper Machine	Walter Jones		Mar-07
Real-Time Web-Based System Monitoring	Mike Branch		Mar-07
Applying Wireless Sensor Networks in Industrial Plant Energy Evaluation and Planning Systems	Jose' Gutierrez		Mar-07
Electrical Hazards Analysis	Dennis Neitzel		May-07
Using IR Sightglasses to Protect against Arc Flash Exposure	John Kay		May-07
Testing and Certification of MV Motor Control Centers to Arc Resistant Standards	John Kay	Sept-07	
Use of Instantaneous Trip Functions and Current Limiting Fuses to Reduce Arc Flash Energy	Felix Nepveau	Sept-07	
Arc Flash Hazards Calculations - Myths, Facts, Solutions	H. Wallace Tinsley III		Jan-07

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Title	Authors	Est. Publication Date	Actual Publication Date
Ground Fault Protection for Bus Connected Generators in an Interconnected 13.8 kV System	J. C. Das		Mar-07
Power System Stabilizer Performance with Summing Point type Var/Power Factor Controllers	Rich Schaefer	TBD	
Improved Coordinated Response and Disturbance Rejection in the Critical Sections of Paper Machines	Anibal Valenzuela	TBD	