



INDUSTRY APPLICATIONS SOCIETY

PULP & PAPER INDUSTRY COMMITTEE

MINUTES of the

INTERIM FULL COMMITTEE MEETING

2007 PPIC COMMITTEE MEETING
The Westin Atlanta Airport Hotel – Atlanta, GA
Monday October 22, 2007

IEEE/IAS PULP & PAPER INDUSTRY COMMITTEE
 FULL COMMITTEE MEETING
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**IEEE/IAS PULP & PAPER INDUSTRY COMMITTEE
2007 PPIC INTERIM MEETING
MINUTES OF THE FULL COMMITTEE
The Westin Atlanta Airport Hotel
Atlanta, GA**

October 22, 2007

WELCOME AND INTRODUCTIONS

Blake Lloyd called the meeting to order at 1:00 PM. He welcomed everyone to Atlanta and the Interim Full Committee meeting. He then asked everyone to stand and introduce themselves. A meeting sign-in sheet was circulated for all attendees to indicate their presence.

SECRETARY'S REPORT

Rhonda Banks reported that the full committee minutes from the Williamsburg Conference meeting were distributed via email to all committee members on October 13, 2007. A revision was made to correct a misspelled name and the minutes were posted on the committee website www.pulpandpapercommittee.com. Due to the difficulty of obtaining current email addresses, she emphasized the desire for members to obtain an IEEE alias using the iee.org website and setting up an IEEE web account. A motion was made by Burt Judson to approve these minutes as amended. The motion was seconded by John Kay and the minutes were approved.

The agenda for this meeting is appended to these minutes as reference.

EXECUTIVE COMMITTEE REPORT

Rhonda Banks reported that 15 members were in attendance at the Executive Committee meeting. The meeting was held on Sunday from 6:00 PM to 7:35 PM and resulted in a good discussion on the following issues facing this group:

This year's conference local committee will be adding a line item to the conference registration form to include a donation to the James A. Rooks Memorial Student Intern Program.

In the future, the conference local committee will need to budget money to pay the yearly fee for the www.pulpandpapercommittee.com website.

In an effort to heighten the awareness of the importance of the paper reviewer's role in the success of having high quality papers, Dave Durocher comprised a letter on behalf of the Executive Committee to the IEEE PPIC Subcommittee Chairs to issue to every sponsor. Attached to this letter is the IEEE IAS Technical Paper Review Form. Guidelines for the technical paper peer review are included. This letter (without the attachment) is appended to these minutes and will be posted on the committee website.

There have been no changes to the Operating Guide since the Williamsburg conference, but the section describing the responsibilities of the Treasurer will be reviewed and suggested revisions will be discussed at the Seattle conference.

TREASURER'S REPORT/CONFERENCE AUDITS

Alex Wu noted that we are awaiting the results of the 2004 Victoria conference audit. It appears that there will be a deficit of approximately \$6600.

The 2005 Jacksonville conference has been successfully closed with all paperwork submitted. This successful conference generated a surplus of approximately \$31,000.

The 2006 Appleton conference should be closed by year's end with a projected surplus of approximately \$67,000.

The 2007 Williamsburg conference is in the process of being closed with a projected surplus of approximately \$38,000.

STANDING SUBCOMMITTEE REPORTS

MEMBERSHIP

Alan Lowe passed a membership list for members to review and correct, if necessary. He noted that anyone interested in joining the committee should contact him. He reported that our current committee membership is 127. Since the Williamsburg conference in June 2007, we have had the following changes in membership:

New Members – 16 (Dale Basso, Radu Curiac, Richard Field, Rick Hoadley, Tony Holliday, Richard Hunt, Jahan Kargar, Daniel Kobida, Roger Lawrence, Chad McLelland, Jerry Nuernberger, David Rains, Roland Roberge, Rick Timms, Jon Werking, Jim White)

Resigned/Retired – 8 (Austin Bonnett, Ken Butler, Phil Fransen, Terry Gallagher, James Haferkorn, Cyndi Nyberg, Todd Robbins, John Whincup)

Dropped Due to Inactivity– 3 (Terry Branch, Bill Green, Jamie Lyles)

Pending Applicants – 0

At the annual meeting, we had 72 members present, 21 members that requested excused absences and 29 members with unexcused absences. Requests for excused absences should be sent/forwarded to Alan.

Alan gave a job sector distribution of our membership as follows:

75 Vendors

28 Consultants

19 Mill Personnel

2 Academics

3 Retired Members

He also reported that 97 (76%) of our current members have a grade of Senior Member or higher. Requirements for Senior Member eligibility are 5 years in the industry and 3 references from IEEE Senior members (or higher).

The membership report is appended to these minutes.

MAILING LIST

John Kay reported that the committee mailing list continues to evolve. The following is the updated report after the Williamsburg conference:

Total Entries	3142	
Stale Entries	1315	[no attendance since 1998]
Entries removed this year	464	[no attendance since 1998]
Total as of June 16, 2007	2678	
Entries with Email addresses	1829	[69%]

John noted that approximately 300 entries are marked for removal this coming year (no attendance for the last 10 years and no valid email address).

PUBLICITY

No report given.

PAPER AWARDS/MAGAZINE AND TRANSACTIONS SUBMITTALS

Blake Lloyd reported that Laurie Cihlar was unable to attend the meeting and will send a submittal to be appended to these minutes. He thanked all of the paper reviewers from the Williamsburg conference.

PPIC AWARDS NOMINATIONS

Russ Thrift announced that Walter Jones was the winner of the 2007 Meritorious Engineering Award and John Kay was awarded the 2007 Meritorious Service Award. It was noted that John Kay was also awarded the 2006 IAS Transactions Best Paper Award. There are several strong candidates already submitted for the 2008 awards.

FELLOWS NOMINATIONS

John Kay reported that James A. Rooks received his Life Fellow award for "leadership in engineering applications in the pulp and paper industry". This honor will be celebrated with his family at the Seattle conference in June 2008.

This year we submitted two nominations to the 2008 class of Fellows. We resubmitted Ron Simpson's nomination and we submitted a nomination for Jay Das. The IEEE Fellows Review Committee will issue their report in November 2007.

The Fellows Program was established to recognize and honor 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.

LIAISON REPORTS

IEEE/IAS

Dave Durocher noted that there was great involvement from this committee and that we are one of the top contributors to IEEE/IAS publications. We are recognized as a valued part of the IAS community.

PAPTAC (formally CPPA)

John Kay reported that he has been interfacing directly with the PAPTAC executive board to outline negative feedback regarding their conference from those in our committees who have attended PAPTAC in the past few years.

He was pleased to report that many exciting, positive changes will come into effect when PAPTAC's 94th Annual Meeting kicks off on February 5, 2008. Their association has put into place an improved program and itinerary for an event that is already highly regarded internationally:

- The program will be condensed over a 2½-day period in consideration of the workload and time constraints of the individual attendees,
- A greater number of practical sessions addressing mill-operating issues will be featured,
- Activities will be concentrated within one exhibition hall,
- A track of business sessions will be added to the program,
- An especially attractive registration fee structure will be implemented.

In an effort to draw more personnel from the mills to PaperWeek International 2008, employees from pulp, paper and board companies will be able to register as a delegate for as little as \$85 (Cdn) plus taxes.

Attendance at this year's events: [previous year]

Delegates to the technical presentations: 774 [947]

Visitors to EXFOR: 2812 [3269]

EXFOR exhibitors: 1793 [2601]

Total participants at PAPTAC Annual Meeting: 5379 [6817]

EXFOR 2008 will celebrate its 50th anniversary and will display the latest science and technology devoted to the manufacturing of pulp, paper and board products.

Information on these events can be found at www.paptac.ca.

TAPPI

Burt Judson reported that TAPPI is also changing their organizational structure. The “new and stream-lined TAPPI” will be made up of several “common interest groups” (CIGs), not “committees and sub-committees”. The PCI&E will now be called Process Control CIG of the Process Control Division.

This group has committed to a short course that will be offered at the 2009 PPIC conference in Birmingham, AL.

IEEE - STANDARDS PROJECTS COORDINATING

Blake Lloyd reported for John Malinowski that the ballot for the IEEE 841 new standard for severe duty motors closed on October 14, 2007. Votes will be tabulated and comments addressed. The target for release of the new standard is in 2008. This update will match the standard to the motors being supplied by most manufacturers.

IEEE ELECTRICAL SAFETY WORKSHOP

Dennis Neitzel reported that the 15th Annual IEEE/IAS Electrical Safety Workshop is scheduled for March 18-21, 2008 in Dallas, TX. There will be many excellent papers presented at this workshop. Registration opens the first of November 2007, and information can be found at www.ewh.ieee.org/cmte/ias-esw.

OPERATING SUBCOMMITTEE REPORTS

Detailed reports from the 4 standing subcommittees are appended to these minutes.

The subcommittee chairs are as follows:

EMMC – Allen Watson

DCS – Greg Drewiske

PDS – Bill Vilcheck

TSSC – Dennis Neitzel

FPS (ad hoc) – John Kay noted that this was the first formal meeting for this ad hoc subcommittee. He introduced the guest participants.

WILLIAMSBURG CONFERENCE REPORT

Blake Lloyd reported for John Malinowski that the billing to Colonial Williamsburg was resolved and the owed amount of approximately \$90,000 was paid to them. IEEE is to pay \$5100 for the intern program. Payments estimated at \$2500 will be paid for the interim meeting. Repayment of \$20,000 to IEEE for their pre-conference advance payment will leave approximately \$49,000 in the account for payment to IEEE.

Final numbers for the conference are as follows:

Conference – 190

Guest Program – 76

Social – 169

Booth Workers – 20

Authors ~ 43

Tutorials – 102

Mill/Engineering - 55

FUTURE CONFERENCES

2008 – Seattle, WA

Rich Turner announced that the Seattle conference will be held at the Grand Hyatt Seattle on June 22-27, 2008. Room rates are \$189 per night. The committee is finalizing the budget and working on the social details. Registration is projected to be available at the first of the year.

2009 – Birmingham, AL

Robert Adams reported that the 2009 conference committee has secured a hotel for the dates of June 21-26, 2009 at the Renaissance Ross Bridge Golf Resort and Spa in Birmingham, AL. Room rates are \$179 per night. The local committee is getting organized and working on the conference budget.

2010 – San Antonio, TX

Peter Baen has graciously agreed to host the 2010 conference. He is currently evaluating three qualified hotels. The projected dates are June 21-25, 2010. He pointed out that there is no local participation from San Antonio and he is soliciting local committee involvement from any location.

2011 – Tentatively set for the Minneapolis area. Need volunteer.

2012 – To be determined

SEATTLE CONFERENCE TECHNICAL PAPERS

After tallying the subcommittee reports, Dave Durocher revealed that the list of potential papers for the Seattle Conference is as follows:

A Papers – 25

B Papers – 17

C Papers – 7

D Papers – 2

E Papers – 17

Tutorials – 7

Panels – 1

He re-emphasized the importance of peer reviews for technical paper quality. “Good paper reviewers make good papers!”

Dave also noted that good tutorials are an important part of the conference in order to attract more attendees. There was a question about this committee’s ability to generate a list of all tutorials to make available to help develop tutorial material for future conferences.

Dave challenged the subcommittee chairpersons to discuss the need for concurrent scheduling and the desire for longer presentation/question time frames. He encouraged paper sponsors to push the authors to get the papers completed in a timely fashion. There is a lot of work to be done between this interim meeting and the June conference, with the conference record scheduled for press in April.

OLD BUSINESS

AD HOC COMMITTEE – SUSTAINABILITY

Dave Durocher noted that the focus of this ad hoc committee is attracting industry engineers to participate in the activities of the Pulp and Paper Industry Committee of the Industry Applications Society.

This past July, “Thanks for Attending” letters that included quotes from fellow peers and an extra CD copy of the 2007 conference record were sent to industry engineers that attended the Williamsburg conference. In November 2007, a “Save the Date” correspondence will be sent out utilizing List Serve (free email database management service from IEEE) to promote the Seattle conference by identifying the benefits of attending. In March 2008, a conference reminder will be also be issued.

This committee will continue with the outreach to continue to improve our committee.

AD HOC COMMITTEE – PERPETUATION

John Kay reported that this council has met 1 time via teleconference since the annual meeting. They continue to focus on the prime directive provided by the executive committee:

How do we engage the forest products groups outside the pulp and paper segment?

They have developed a Forest Products Adhoc Sub-Committee as part of the general conference committee structure.

To do this they recommend the following stepped approach:

- 1) Establishment as an ad hoc committee for now to focus specifically on building a foundation
 - Goals are to 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,
 - Operate in an Ad hoc environment, collecting data to validate a move forward strategy
[COMPLETE]
- 2) Long range - recommend formally setting up a Forest Products sub-committee in harmony with the operating guide detail
 - Goals are to have a sustainable sub-committee focused on electrical and control engineering topics of interest to the forest products segment of our served market.
[COMPLETE]
 - Establish synergies between this segment and other paper segments
[IN PROCESS]
 - Establish communication channels to engage those from this segment
[IN PROCESS]
- 3) Promote the scope enhancements to the conference via forest products publications.
[IN PROCESS]

This subcommittee has 14 papers/paper topics in our paper list after our first formal subcommittee meeting and expect to have at least 2 paper(s) for the Seattle conference.

AD HOC COMMITTEE – STUDENT/YOUNG ENGINEERS

Greg Drewiske announced that this ad hoc committee was responsible for three interns attending the Williamsburg conference. The feedback from these attendees was very positive. The cost for these interns was very close to the budgeted cost. This program will continue for the Seattle conference, so Greg encouraged subcommittees to nominate eligible interns. Applications will be sent at the beginning of the year.

JAMES A. ROOKS MEMORIAL

Dave Durocher announced that as an outgrowth of the above-mentioned ad hoc committee, The Pulp & Paper Industry Committee of the IEEE Industry Applications Society has established the James A. Rooks Memorial Student Intern Program. This and every year, our committee will celebrate 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 will come from the James A. Rooks Memorial Endowment established by the IEEE Foundation.

Contributions can be made to: IEEE Foundation in memory of James A. Rooks, IEEE Development Office, 445 Hoes Lane, Piscataway, NJ 08854. The iee.org website also has a link for donations to this fund. This not- for-profit foundation qualifies for company matching gift programs and IAS will match all contributions given by year's end.

Dave encouraged contributions. This fund has had a great start, but in order to sustain the goals for this committee, contributions will need to continue. Contributors will be recognized in the conference packets each year.

NEW BUSINESS

The Tutorial Guide (similar to the Author's Guide) has been posted on the committee's website.

THE MEETING WAS ADJOURNED AT 2:20 PM.

Appendix A - FINAL FULL COMMITTEE AGENDA

**FULL COMMITTEE AGENDA
IEEE PULP & PAPER INDUSTRY COMMITTEE
INTERIM MEETING
THE WESTIN ATLANTA AIRPORT HOTEL – ATLANTA, GA
OCTOBER 22, 2007
1:00 PM to 4 PM**

- | | |
|--|-----------------|
| 1 - Welcome & Introductions | Blake Lloyd |
| 2 - Review/Approval of Minutes of June 2007 Conference Meeting | Rhonda Banks |
| 3 - Executive Committee Report | Rhonda Banks |
| 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 Transactions Submittals | Laurie Cihlar |
| e – PPIC Awards Nominations | Russ Thrift |
| 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 | Dennis Neitzel |
| 7 - Operating Subcommittee Reports: | |
| a – EMMC | Alan Watson |
| b – DCS | Greg Drewiske |
| c – PDS | Bill Vilcheck |
| d – TSSC | Dennis Neitzel |
| e – FPC (Ad Hoc) | John Kay |
| 8 – Williamsburg Conference Report | John Malinowski |
| 9 – Future Conferences | |
| a - 2008 – Seattle WA | Rich Turner |
| b - 2009 – Birmingham | Robert Adams |
| c – 2010 and beyond | Charley Canty |
| 10 - Seattle Conference Technical Papers – Manuscript Central | Dave Durocher |
| 11 – Old Business | |
| a – Ad-Hoc - Sustainability | Dave Durocher |
| b – Ad- Hoc - Perpetuation | John Kay |
| c – Ad Hoc Committee on Student/Young Engineers | Greg Drewiske |
| • d -James A. Rooks Memorial | Dave Durocher |
| 12 – New Business | |

Adjourn Full Committee Meeting on or before 4:00 PM

APPENDIX B – Technical Paper Peer Review Letter

October 22, 2007

To: IEEE PPIC Subcommittee Chairs
 Subject: Technical Paper Peer Review

One of the unique features of the IEEE IAS Pulp & Paper Industry Committee is that our group conducts peer reviews of all technical papers before a paper can be presented at our annual conference and included as a part of the conference record. Peer review before publication is one of the reasons PPIC papers have consistently maintained a very high standard of quality. As a result, our papers are often published in Transactions on Industry Applications and Industry Applications Magazine. So that we can continue to maintain a high quality standard, the PPIC Executive Committee would like to remind all paper reviewers of their important responsibilities. Reviewers should consider the following as a part of any technical paper peer review:

1. Consider the title of the paper. It should reflect the message in the text. If it doesn't, perhaps suggest a different title or notify the author of this inconsistency.
2. Is the paper well written? Is it clear and concise? Is the grammar and punctuation accurate?
3. Does the paper present an adequate analysis of the problem and logically develop its conclusions?
4. 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. Are figures and tables readable? Should there be additional illustrations to support the text?
6. Does the author offer technical or commercial assertions that are unsupported? If so, the author should be challenged by the reviewer to support these assertions.
7. Is the format of the paper as outlined in the IEEE PPIC Style Sheet?
8. Does the paper include anything that would be in violation of the PPIC's policy regarding commercialism as outlined in the Committee Operating Guide?

We have attached a copy of the Technical Paper Review Form used by the assigned paper reviewers during our annual conference. They are challenged to judge not only the oral presentation but also the written work, ultimately offering scoring that decides winners for our best paper awards. The review criterion offers insight into what comprises an excellent technical paper.

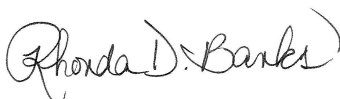
We ask that every paper reviewer help the PPIC Committee preserve our heritage of excellence in technical papers. Good paper reviewers make good papers – it's that simple!



Blake Lloyd – PPIC Committee Chair
 Executive Vice President
 Iris Power Engineering
 Toronto, ON



David Durocher – PPIC Committee Program Chair
 Industry Director, Forest Products
 Eaton Corporation
 Wilsonville, OR



Rhonda D. Banks – PPIC Committee Secretary
 Project Engineer
 Instrumentation Design Systems, Inc.
 Goose Creek, SC



Alex Wu – PPIC Committee Treasurer
 President
 Global Engineering Company
 Roswell, GA

APPENDIX C – 2007 PPIC Paper Awards Report**2007 PPIC Interim Meeting Paper Awards Report****Paper Awards Presented at the 2007 Conference in Williamsburg****1st Place Paper**

"Distribution Equipment Modernization to Reduce Arc Flash Hazards" by Warren Hopper and Brenda Etzel

2nd Place Paper

"Comparison of Methods for the Mitigation of Line Disturbances Due to PWM AC Drives" by Rick Hoadley

Best Mill Paper

"Paper Mill Case Study in Safety Improvements for Generation On-Line Brush Changes" by Doug Moody and Gary Custer

Technical Paper Publication Status for 2006 Conference Papers

- **3 papers submitted to *IEEE Transactions on Industrial Applications***
2 papers were published this year.

- **15 papers submitted to *IAS Magazine***
2 papers were rejected for previous publication.
13 papers were published this year.

Technical Paper Publication Status for 2007 Conference Papers

- **4 papers submitted to *IEEE Transactions on Industrial Applications***

- **19 papers submitted to *IAS Magazine***
6 papers were selected for 2008 publication.
12 papers were transferred to Transactions to be considered for publication.
1 paper was rejected.

APPENDIX D - EMMC SUBCOMMITTEE MEETING MINUTES**Engineering, Management, Maintenance & Construction Subcommittee
Interim Meeting Minutes
Atlanta, GA**

October 22, 2007

Introduction

Did a round table introduction of attendees: Allen Watson, Larry Menche, Rhonda Banks, Peter Baen, Blake Lloyd, Rick Watkins, Burt Judson, Dave Durocher, Rory Johnson, Jahan Kargar

General Business

- Allen Watson stepping in as Chair of the Sub-committee.
- Review of the Executive Meeting on the previous evening.
- Dave Durocher spoke on the initiative to solicit new interns and the Jim Rooks Memorial Foundation.
- Discussion on Code of Conduct for paper reviewers. Issue of plagiarism came up in a previous paper. Paper reviewers need to be more critical of papers and provide insightful feedback. Code of Conduct to be distributed to reviewers and put on website.
- IEEE mandated new manuscript software for paper writing and review, Blake Lloyd to implement.
- Location of future conferences: Seattle 2008, Birmingham 2009, San Antonio 2010. Peter Baen investigating hotels for the 2010 conference.
- Suggestions on the length of paper presentations. Currently they are 25 min long, but the PCIC conferences allows for up to 1 hour. Extended sessions would give more time to authors and allow for better presentation.
- Suggestion of having parallel sessions or multiple tracks as in the PCIC and allowing more time for paper presentations.
- Establishing guidelines for the New Product Presentations, encourage vendors to provide a case study as opposed to a pure sales pitch.

New Business

- Did a review of the current papers and updated the status of papers on excel spreadsheet.
- Proposed new ideas for papers, and discussed topics on: University involvement in conference, renewable energy sources and emissions reductions, HV termination connections, application of flow devices and energy cost savings through motor sizing and load.
- Future papers assigned to attached spreadsheet.

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					2008	1		
2003-3	EMMC/CBS	PANEL - WHERE CAN YOU CUT BACK ON MAINTENANCE AND WHERE SHOULD YOU NOT IN LEAN TIMES?						2008		1	
2003-11	EMMC/CBS	APPLICATION of LIGHTNING PROTECTION at a PAPER MILL			1			2009	1		
2003-12	EMMC/CBS	DOCUMENT MANAGEMENT SYSTEMS and THEIR USE		1				2007	1		
2004-2	EMMC	HEATED TUBING: PREFABRICATE OR FIELD TRACE AND INSULATE	1					2008	1		
2004-4	EMMC	ONLINE MAINTENANCE MONITORING	1					2008	1		
2004-5	EMMC	DUAL POWERED - STEAM & ELECTRIC - I.D. FAN ON A RECOVERY BOILER					1	2008?	1		
2004-7	EMMC	CAPITAL PROJECT COMMISSIONING			1			2008	1		
2006-2	EMMC	Day Lighting					1	2008	1		
2006-3	EMMC	Generation Interconnections, A Case Study					1	2008	1		
2006-8	EMMC	The Case for Interns		1				2008	1		
2007-1	EMMC	Modern Acceptance Test Methods on Steam Turbines in Paper Mills		1				2008			

APPENDIX D

EMMC SUBCOMMITTEE

Number	Subcommittee	Title	Status					Year	Paper	Panel	Tutorial
			A	B	C	D	E				
2007-3	EMMC	Case Study: Retrofit Application of a DC and AC Motor Driving a Fan Pump Through a Common Shaft				1		2008			
2007-4	EMMC	Paper Machine Automation Upgrade - "Big Bang" Rather Than a Staged Incremental Approach: Case History			1			2008			
2007-5	EMMC	Overview of New Lighting Technology					1	2008			
2007-6	EMMC	Designed for safety : Trends and Standards Emerging in Low Voltage Control Assemblies		1				2008			
2007-7	EMMC	Managing Shaft Current Bearing Issues					1	2008			
2007-8	EMMC	Testing Methods for Electrical Apparatus					1	2008			
TOTAL			3	4	3	1	6		10	1	0

APPENDIX E - DCS SUBCOMMITTEE MEETING MINUTES**DRIVES AND CONTROL SYSTEMS SUBCOMMITTEE
IEEE/ IAS PULP & PAPER COMMITTEE
2007 INTERIM MEETING MINUTES**

Meeting Date: Monday, October 22, 2007
Meeting Started: 8:07 AM
Meeting Adjourned: 11:35 AM
Chairman: Greg Drewiske
Vice Chairman/Secretary: Darren Honaker
Total Members: 53
Members Present: 14
Members Excused: 10
Members Not Excused: 29
Guests: 0

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 Allen Lowe if you are not a member of IAS.
- IAS has agreed to 100% match all donations to Rooks Memorial Fund until 12/31/07. Your donation now will make an even bigger impact.
- Soliciting interns for the 2008 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 2008.
- 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.

Old Business

- Review of DCS Minutes from Williamsburg Meeting: Minutes approved as sent.
- Future Conferences are scheduled as follow:

2008	Seattle, WA	Rich Turner is Local Chair
2009	Birmingham, AL	Robert Adams is Local Chair
2010	San Antonio, TX	Peter Baen is Local Chair
2011	Minneapolis, MN	Need Volunteer

- Standing Meritorious Award nominees are Warren Hopper for Engineering and Duncan Rhodes for Service. These 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.
- Paper Reviewers for 2008 is Del Seaver with Steve Littlefield (pending Membership), Javier Portos (Pending Membership), and Roger Lawrence as backup.

New Business:

- Mark Weaver to explore updating the IEEE, TAPPI, PAPTAC database. Abstracts would be a great addition.
- Discussion of changing time slot/format of paper presentations. Consensus to keep as is, but be more flexible with times if more questions are coming in.

Review of Papers:

- See attached spreadsheet
- Paper count is:

Level	2008	2009
A	8	4
B	3	6
C	2	5
D	1	2
E	1	2
Tutorial 4		1

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):

- 9/15/07 Author Data Sheets to Program Chair
- 10/22/07 Interim Meeting. Rough drafts available for reviewers.
Author kits to authors (sent by sponsors)
- 11/05/07 Author Guide is posted on website
- 11/16/07 Reviews of rough Drafts due.
- 01/11/08 Final drafts to reviewers (sent by sponsors)
- 02/15/08 Review of final drafts due.
Copyright transfer form, Author's Data & Release forms sent to

Program Chair.

- 03/14/08 Final manuscript sent to Program Chair.
- 04/04/08 Manuscripts sent to printer.
- 04/18/08 Acknowledgment and schedule sent to authors.
- 06/13/08 Bound copies of record sent to Conference Chair.
- 06/22/08 2008 IEEE Conference Seattle, WA

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	Year	A	B	C	D	E	Paper	Panel	Tutorial	Title
2006-04	2009	1					1			Turbine Downgrade Project
2006-06	2008		1				1			Modeling the Common Mode Noise on Low Voltage Drive and Motor Systems
2006-08	2009			1			1			Field Report on toroidal bearing successes
2006-09	2009	1					1			Effect of the Load on the expected savings from a premium efficiency alternating current squirrel cage rotor induction motor
2006-13	2009		1				1			Effects on Paper Mill Distribution Systems as Linear Loads are converted to Non-Linear Loads over time
2006-14	2008		1				1			A Case History for Assessing Power Requirements on Line shaft Driven Sections for the Purpose of Converting the Sections to Electrical Sections
2006-16	2009		1					1		Control Communication Network Architecture
2006-19	2009			1			1			Effect of Ground Faults on Common DC Bus AC Drive Systems
2006-20	2008	1					1			Bearing Currents in Inverter-fed AC Motors
2007-1	2008	1					1			Permanent Magnet Motors for Energy Savings and Power Density in Industrial Applications
2007-2	2009			1			1			Effectiveness of Grounding Brushes
2007-4	2009		1				1			Case Study for Special Application Motors in the Forest Products Industry
2007-5	2009		1				1			Solid state versus electro-mechanical relays on MV motors
2007-6	2008	1					1			Physical Stresses in Deep bars during the starting of induction motors
2007-7	2008			1			1			Review of upcoming changes to US motor efficiency regulations
2007-8	2009	1							1	TAPPI/IEEE Drives Short Course

APPENDIX E

DCS SUBCOMMITTEE

Number	Year	A	B	C	D	E	Paper	Panel	Tutorial	Title
2007-9	2008			1					1	Economic Justification of Projects
2007-10	2009					1	1			Die Cast Copper Rotors
2007-11	2008		1				1			Field experience with acceleration feedback in Paper Machine Drive Regulatory Control
2007-12	2009				1		1			Case Study for using VFDs on Pumps to replace Recirculating or Throttling Systems
2007-13	2009				1		1			Update on VFD cabling system
2007-14	2009			1			1			Integrating Existing Systems with Open Source Software
2007-15	2008	1							1	VFD Cabling and Termination (Service Wire) - Same as Appleton
2007-16	2008					1			1	Medium voltage VFD cabling
2007-17	2009					1	1			EPACT 2006

APPENDIX F - PDS SUBCOMMITTEE MEETING MINUTES

Meeting Minutes Published
Wednesday, October 24, 2007

**POWER DISTRIBUTION SYSTEMS
SUBCOMMITTEE MEETING MINUTES
WESTIN ATLANTA AIRPORT HOTEL – ATLANTA, GA**

Meeting Date: October 22, 2007

Meeting Start: 8:00 AM **Meeting Adjourn:** 11:00 AM

Recorded by: Bill Vilcheck

Total Members: 35 **New Members:** 0

Guests: 2

Members Present: 14

ROBERT L ADAMS	GEOFF CLARK
J C DAS	RICHARD HUNT
DAN KOBIDA	JOHN S LEVINE
TONY LOCKER	CHARLES J MOZINA
FELIX NEPVEUX	RONALD H SIMPSON
RICK TIMMS	RICH TURNER
WILLIAM S VILCHECK	ALEX Y WU

Members Excused: 13

BOB BELTZ	TOM BLOOMING
STEVEN L DYRNES	BRENDA ETZEL
RICHARD FIELD	RICHARD KIRBY
STANLEY Y MERRITT	DOUGLAS C MOODY
ED REID	RICHARD SCHAEFER
EDWARD R SEXTON	GLENN A SMITH
MARCELO E VALDES	

Members Unexcused: 8

ROY COSSE	BRUCE GRAVES
CHARLES J HARDY	GUS HENSON
TODD LEGETTE	VERNON A NEWBILL
BUD PALMER	CARLOS J YEPEZ

Guests: 2

CATHERINE DALTON	MIKE LANG
------------------	-----------

Members Transferred: None

Resignations: None

Meritorious Award Nominees: 0

2008 Paper Graders: Dan Kobida, Marcelo Valdes

Introduction

Bill Vilcheck welcomed all present to the Atlanta, GA 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.

New Business

Executive Committee Meeting issues were reviewed and the specific topics below were discussed:

1. Request for candidates for PPIC student intern for the Seattle conference. Eligibility requirements for the candidate were reviewed.
2. The responsibilities of the paper peer reviewers,
3. Requested papers and tutorials for future conferences as compiled from the Williamsburg conference survey.
4. The 2008 conference will be held in Seattle, WA June 22-27.

Future Papers

See attached table.

Old Business

There were no nominations for the Meritorious Awards.

New Business

Felix Nepveux has been named Vice Chair of PDS.

Bill Vilcheck led a discussion of ways to inspire more questions for the presenters at the conferences. The subcommittee suggestions follow:

1. The general feeling was that 20 minutes for the presentation was too short. No one suggested a longer time, but instead suggested a block of flexible time that the session chairs should use at their discretion.
2. The session chair should become more engaged and emphasize the important role of questions and discussion.
3. The peer reviewers present should have one question prepared in case there are no other questions.

PDS Subcommittee adjourned at 11:00 AM.

Please contact the writer with any comments or corrections.

PDS FUTURE PAPERS

Number	Title	Status	Year
2007-11	Modified Medium Voltage Arc Flash Incident Energy Calculation Method	A	2008
2007-13	Advanced Protection and Control Applications of Medium Voltage Industrial Generation Systems	C	2008
2008-1	Design and Application of Low Ratio High Accuracy Split Core, Core Balance Current Transformers	A	2008
2008-2	Changes in Industrial and Utility Power System Communications and Controls	B	2008
2008-3	Coordination of Generator Protection with Generator Excitation Control and Generator Capability	A	2008
2008-5	Zone Based Protection for LV Systems	A	2008
2008-6	Application of Digital Radio for Distribution Pilot Protection and Other Applications	A	2008
2008-7	Upgrading Power System Protection to Improve Safety, Monitoring, and Control	A	2008
2008-8	Steps to Determine Critical Parameters for Protection of Undocumented AC Motors	A	2008
2008-9	TUTORIAL - Power System Basics - System Design, Short Circuit Calculations, Surge Protection		2008
2008-10	TUTORIAL - Feeder Protection and CT Saturation		2008
2008-11	Application of Medium Voltage Cable Predictive Diagnostics	A	2008
2008-12	Effect of Insulating Barrier in Arc Flash Testing	A	2008
2008-13	Effect of Arc Flash Test Configurations on Arc Rating of PPE	A	2008
2008-14	Alternate Solutions to Replacing Aged Static Exciter Systems	B	2008
2008-15	One Mill's Response to a Specific Type of Arc Flash Problem	A	2008
2008-16	Evaluation of the Proposed Retirement of a Condensing Turbine Generator on the Paper Mill Electrical Distribution System and Utility Ties	B	2008
2008-17	Application of High Resistance Grounding with New Technology to Reduce Hazards	B	2008
2008-4	CT Selection	D	2009
2009-1	Specifications for Practical Hybrid High Resistance Grounding Generator Applications, An IEEE/IAS/I&CPS Working Group Report #2	B	2009
Paper Status	2008	2009	
A	11		
B	4	1	
C	1		
D	1	1	
E	0		
Tutorial	2		
Panel	0		
Total	19	2	

APPENDIX G - 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 22, 2007

Recorded by: Pat Malie

Members Present: Dennis Neitzel
Paul Rouillier
Pat Malie (Industry)
Norm Danz (Industry)
Total: 4

Members with an
Excused Absence: Tim Crnko
Larry Thomas
Jim Williams
Ralph Shead

Total: 4

Members with an
Unexcused Absence: Bob Jordan
Kevin Lippert
H. Landis Floyd II
D. Ray Crow
Jim Harris
Richard Barker

Total: 6

Total Members: 14

Guests: Dave Rollay
Total: 1

Introductions

The meeting was called to order sometime after noon by Chairman Dennis Neitzel,. All attendees and guests introduced themselves. Attendance was taken.

Announcements & General Business

1. At the June meeting, Larry Thomas explained the process for nominees for both the meritorious service and meritorious engineering were discussed. Members were to send names for nominations to Dennis Neitzel. The interim meeting in October was the deadline for Dennis to submit any nominations to the Executive Committee. None submitted in addition to those already given at the June meeting.
2. Starting 2009 IEEE will require all papers to be posted through Manuscript Central on-line posting. This will require more responsibility on the reviewers. PPIC papers are already being handled very well and are publishing quite a few but, this is not the case with other committees. IEEE are implementing the use of Manuscript Central to normalize the process for all industry committees. This will also cause more sponsor responsibility.
3. 2010 PCIC and PPIC Conferences will be in San Antonio, TX.
4. Should presentation time be increased to 25 min plus 5 min Q & A? Those present elected to recommend 25 mins plus 5 mins Q & A.
5. Discussed intern sponsorship. All expenses will be covered by James A. Rooks Memorial Student Intern Program and another foundation. Administration will be handled though PPIC. Openings exist for four interns. Send candidates names to Dennis.
6. Survey results from June 68 respondents are
 - Technical ratings: 2 – 6 12-7, 20-8, 21-9, 12-10. Average 8.31 which is high. Since 2003 results have been high 8.57 avg.
 - Overall rating: 2-7, 16-8, 31-9, 18-10 8.84 avg.
7. Topics for future papers and tutorials – More on arc flash and arc flash reduction.
8. NESC 2007 Edition extensive section on arc flash analysis and PPE Jan 1, 2009. OSHA 1910.269 and 1926 Subpart V (.950 - .968), 1910.127 June 15, 2005 issued revision to regs new appendix F references NFPA 70E 2004 edition. NFPA 70E 2009 due October 2008.
9. A discussion of clothing materials (cotton vs FR rated) cleared up some questions regarding the use of cotton.

Status of 2008 Technical Papers, Updates, & Tutorials

	A	B	C	D	E
Papers	1	3	1	1	
C&S* Update					
Tutorials		1	1		

* Code & Standards 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 2008 TSSC Paper Summary and Status Tally 6-07 for details.

TSSC Paper Reviewer for the Seattle Conference in 2008 will be Pat Malie with Ralph Shead as backup.

Other Business**How to Target Topics for papers and tutorials that the Industry Personnel Want and Need:**

1. The Ralph Shead Challenge: Ralph challenged each TSSC member to “bring along” an industry person to our next TSSC meeting. Great idea.
2. Pat Malie presented the feedback he received from his request for information within his company.

Paper reviewer discussion: This year the reviewers did not receive notice of availability of papers to review until a week or so prior to conference and they had to be electronically downloaded. The large file size was a hindrance. A recommendation for the future is that paper reviewers receive the papers in hardcopy form and a few weeks prior to the conference

TSSC Vice-Chair: Dennis is recruiting for TSSC Vice-Chair. Norm Danz is considering.

Adjournment

The meeting was adjourned at 11:30 AM.

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

APPENDIX H - FPS SUBCOMMITTEE MEETING MINUTES

**IEEE – Pulp & Paper Industry Committee
Forest Products Subcommittee – Interim Report
Meeting Minutes for October 21, 2007**

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

Chairman- John A. Kay
Vice-Chair- Rory Johnson

Total Attendance,
2 Members
2 Member excused
4 guests (applications pending)

- We discussed the basic operation and organizational structure of the IEEE, the IAS and the PPIC. John will provide addition information to those new members and will try and obtain a reduce rate for their IEEE membership. John will get then their first year of IAS membership for free.
- Discussed the rationale for setting up this subcommittee.
- We discussed the process of paper creation, reviewing and grading process
- We do not have any paper reviewers or graders assigned yet from this committee yet.
- We had a brain storming session to generate topics for possible future papers. Lots of excellent

A total of the following papers where generated by this committee,

Paper Totals	
A Papers	1
B Papers	1
C Papers	0
D Papers	0
E Papers	13

A good discussion was had regarding how we can get the word out to other companies, vendors to have them become engaged in this process.

Adjourned- 11:10 AM
Minutes by – John A. Kay

APPENDIX I APPENDIX I - MEMBERSHIP REPORT

MEMBERSHIP REPORT

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APPENDIX I

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APPENDIX I

MEMBERSHIP REPORT

	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/X	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	O/X	E/X	X/X	X/X	X/X	X/X	X/E	X/E	O/X
Richard Barker																						X/O	O/E	X/O	E/O
Robert Beltz																		E/E	O/X	O/O	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
Austin Bonnett									X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/E	E/E	E/E	E/O	O/O	O/O	O/O
Kevin Borthwick																									O/E
Rob Boteler																						/X	X/E	X/X	X/X
Terry Branch						/E		X/X	X/O	X/E	X/X	X/O	X/O	O/	E/E	O/E	O/O	O/X	O/O	O/O	X/E	O/O	X/E	E/E	O/O
Ken Butler																X/O	O/O	O/O	X/O	X/O	X/E	X/E	X/X	X/X	X/E
Rich Butler																		X/X	X/X	X/O	X/E	X/X	X/X	X/E	O/O
Charlie Canty				X/X	E/	E/												X/X	X/X	X/X	X/X	X/X	X/X	E/X	X/X
Laurie Cihlar					E				E/E	X/X	O/X	X/O	E/O	E/X	E/X	X/X	X/E	E/X	X/E	E/X	X/X	X/X	X/E	X/E	O/X
Geoff Clark												/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	/X
Roy Cosse																						E/X	X/E	O/E	X/X
Ray Crane			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																									O/E
Norm Danz																									/X
Jay Das																									O/X
Greg Drewniske																									X/X
Rob Dufton																					/X	E/E	E/E	O/E	O/E
David Durocher																			X/X	X/X	X/X	X/X	X/X	X/X	X/X
Richard Dykstra																						O/X	X/X	X/E	X/E
Stephen Dynnes			/E	X/E	X/E	E/		E/E	X/E	O/	X/X	X/E	X/O	E	E/E	X/E	X/E	E/O	X/E	X/E	E/E	O/O	O/E	E/O	O/O
Brenda Etzel																									/O
Steve Evon																									O/O
Pete Famighetti						X/O	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	E/E	O/E	X/E	X/E	X/E

