



INDUSTRY APPLICATIONS SOCIETY

PULP & PAPER INDUSTRY COMMITTEE

MINUTES of the

CONFERENCE FULL COMMITTEE MEETING

2008 PPIC COMMITTEE MEETING Grand Hyatt Hotel – Seattle, WA Tuesday June 24, 2008

IEEE/IAS PULP & PAPER INDUSTRY COMMITTEE

FULL COMMITTEE MEETING

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IEEE/IAS PULP & PAPER INDUSTRY COMMITTEE CONFERENCE MEETING MINUTES OF THE FULL COMMITTEE Grand Hyatt Hotel Seattle, WA

June 24, 2008

WELCOME AND INTRODUCTIONS

Blake Lloyd called the meeting to order at 3:30 PM. He welcomed everyone to Seattle and the Conference 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.

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

SECRETARY'S REPORT

Rhonda Banks reported that the full committee minutes from the Atlanta interim meeting were distributed via email to all committee members on June 3, 2008 with very few returned emails. A change pertaining to the Williamsburg conference surplus amount will be made and the revised minutes will be posted on the committee website www.pulpandpapercommittee.com. The request to pass these revised minutes was made. Bruce Graves made a motion to approve the minutes and Duncan Rhodes seconded. They were accepted and passed.

EXECUTIVE COMMITTEE REPORT

Rhonda Banks reported that 13 members and 2 guests were in attendance at the Executive Committee meeting. The meeting was held on Sunday, June 22 from 2:00 PM to 4:40 PM and resulted in a good discussion on the following issues facing this group:

The following positions needed to be filled for this committee: (The position is listed with the volunteer for that position.)

Unusual Failures Moderator: Stan Merritt

Future Power Point Operator: Larry Thomas (this year); To be determined (future)

NOTE: Duncan Rhodes proposed that this position be split among the three conference days. A process would have to be defined for transferring the presentations to the assigned person. A decision was made to discuss this further at the interim meeting.

New TSSC Subcommittee Chair: (Dennis Neitzl had to resign – will seek at subcommittee meeting this week)

Service Awards: Rory Johnson
Paper Awards Chair: Mark Weaver

Alex Wu has submitted recommended changes to the Operating Guide pertaining to the responsibilities of the Treasurer. Alex reviewed the proposed changes and there was lots of discussion. Resi Lloyd, Treasurer of IAS, contributed valuable input about the role of the Treasurer in conference budget planning. Based on this input, Rhonda and Alex will draft the final proposed changes and present them to the Executive Committee for approval at the interim meeting in October.

Each subcommittee chairperson was asked to review their mission statement and determine if updates are needed to keep these up to date with the current industry focus (i.e., "going green").

TREASURER'S REPORT/CONFERENCE AUDITS

Alex Wu noted that the 2005 Jacksonville conference had a surplus of approximately \$40, 000 that has been sent to IEEE. All paid bills and checks have been sent to IEEE.

The 2006 Appleton conference had a surplus of approximately \$67,000 that has been sent to IEEE. All paid bills and checks will be sent to IEEE.

The 2007 Williamsburg conference ended with a surplus of approximately \$49,000 that has been sent to IEEE. All paid bills and checks will be sent to IEEE.

All three conferences need the following to be completed:

IEEE Audit

1099 and 1042 Schedules

Proof of Bank Closure

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 he had misplaced the interim records but would send the results of this conference for inclusion in these minutes. His report reflects the following changes in membership since the annual conference meeting in June 2007:

Resigned/Retired – 7 (Charlie Canty, Rob Dufton, Richard Dykstra, Robert Jordan, Jahan Kargar, Frank Newman, Bob Olsson)

Deceased – 1 (Bill Pollay)

Outstanding Applicants - 4

Our current committee membership is 119.

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

72 Vendors

27 Consultants

17 Mill Personnel

2 Academics

1 Retired Member

He also reported that 97of the current members have a grade of Senior Member or higher. This is an impressive 77 percent of our membership. Requirements for eligibility are 5 years in the industry and 3 references from IEEE Senior members (or higher).

The membership roster and attendance report are appended to these minutes.

MAILING LIST

John Kay requested that the committee members update the mailing list. He received the registration list from the Williamsburg conference and reconciled that data and the updated conference records to the master mailing list.

The following is an update and report:

Total Entries: 2756

Stale Entries: 697 [no attendance since 1998]

Entries removed this year: 386 [no attendance since 1998]

Added in 2008 (to date):35

Entries with Email addresses: 1918 [70%]

John noted that approximately 250 entries are marked for removal this coming year (no attendance for the last 10 years and no valid email address).

PUBLICITY

Rob Boteler, our committee Publicity Chair, reported that a press release for this conference was submitted to a list of at least 25 publications, with the IEEE magazine picking it up. He mentioned that he was thinking of sending a press release to members who may not see the press release in publications. A copy of the media release is appended to these minutes.

PAPER AWARDS/MAGAZINE AND TRANSACTIONS SUBMITTALS

Mark Weaver noted that there was nothing new to report since the paper awards were reported in interim meeting minutes. A list of award papers and papers submitted for publication will be recorded in the interim meeting minutes.

PPIC AWARDS NOMINATIONS

Rory Johnson noted that he will be taking nominations for the Meritorious Service and Meritorious Engineering Awards for the next conference.

FELLOWS NOMINATIONS

John Kay recognized that we had six Fellows in attendance at this meeting. This year we have two Fellow nominations submitted from our committee to the 2009 Fellows class. These nominees are Blake Lloyd and John Kay, himself. The IEEE Fellows Review Committee will issue their report in late November.

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 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 January 1 of the year of elevation. If not a Senior Member, one should consider an application.

Nominations are now being accepted for the IEEE Fellows class of 2010. The deadline for nominations is March 1, 2009. If you believe someone is worthy of this nomination, please notify John Kay. Nomination forms normally need to be completed and submitted by February. It is better to start the planning process as early as possible.

LIAISON REPORTS

IEEE/IAS

Dave Durocher stated that the IAS Executive Board was meeting this week at the Seattle conference location. The board will join the awards luncheon and the President of the IAS will present the Fellows awards during that time. Dave recognized Blake Lloyd is the IAS Electronics Commerce Chair and himself as the Process Industries Department Chair. He 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 PAPTAC held its 94th Annual Meeting February 5-9, including the EXFOR 2008 products display, at the Palais des Congres in Montreal, QC.

Attendees came from mills, supplier companies, research institutions, and universities from 17 countries.

There were 150 exhibiting companies at EXFOR who gave visitors a hands-on look at the many new products and services available to the industry in a dynamic and busy location.

Attendance at this year's event:

Delegates to the technical presentations: 1166

Visitors to EXFOR: 1952 EXFOR exhibitors: 86

Total participants at PAPTAC Annual Meeting: 3904

This reflected a 27% reduction in attendance. There continues to be marked downturn in the technical program attendance. The Electrical/Instrumentation Engineering and Maintenance Committee has dwindled to a very low point – mostly due to lack of organization, planning and future program enhancement. He emphasized the need for our conference to continually look at ways of attracting new groups and modifying the conference format to fit the new work schedules we are now 'enjoying'. With this continued drop in participation level at PaperWeek, PAPTAC has had to use its reserve funds for several years in a row despite serious cost cutting measures. The Association reached a point where drastic changes were required to rebalance its financial situation. Unfortunately, the only option that truly addressed the financial reality required restructuring that resulted in the termination of half of the experienced full time staff. The future of PaperWeek and the technical programs associated with it are at great risk of being cancelled. John will continue to advise this committee of its progress.

Plans are already under way for PaperWeek 2009 which will be held from February 3-5, 2009. Information on these events can be found at www.paptac.ca.

TAPPI

Burt Judson reported that the TAPPI streamlining efforts now have the Electrical Drives CIG (common interest group) aligned with the Process Control Division. They met in May of this year in Dallas, TX. They have also held formal and informal meetings at this conference to discuss the following topics:

Drives Short Course (Plans are to offer next year in Birmingham, condensed from 3 days to 1 day)

Winder – H.P. Requirements (Ready to reissue this fall)

IEEE - STANDARDS PROJECTS COORDINATING

John Malinowski presented a PowerPoint presentation entitled "What Has Happened Since Last Year?" This presentation outlined the main standard relevant to the group, IEEE 841-2008, which was balloted, comments resolved and is in the process of final publication. Other standards of interest to the group and currently in process include:

P739 RP for Energy Management in Commercial and Industrial Facilities - Revision IA/ES

P902 Guide for Maintenance, Operation, and Safety of Industrial and Commercial Power Systems - Revision IA/PSE

P1015 RP for Applying Low-Voltage Circuit Breakers Used in Industrial and Commercial Power Systems - Revision IA/PSP

P1068 RP for Repair and Rewinding of Motors for the Petroleum and Chemical Industry - Revision IA/PCI

P1100 RP for Powering and Grounding Electronic Equipment - Revision IA/PSE

P1458 Recommended Practice for the Selection, Application, Field Testing, and Life Expectancy of Molded Case Circuit Breakers for Industrial Applications New PAR IA/PCI

P1566 Performance Standard for Adjustable Frequency Drives Rated 500 HP and Larger New PAR IA/PCI

P1567 Guide for Applying Safer Electrical Systems Design Options New PAR IA/PCI

This presentation also introduced the details of the Energy Independence and Security Act of 2007 where most standard motors 1-200 HP built after 12/2010 will become NEMA Premium and others through 500 HP will be mandated as Energy Efficient.

IEEE ELECTRICAL SAFETY WORKSHOP

Larry Thomas reported that several representatives from our group attended the Electrical Safety Workshop in Dallas, TX this past March. The next one is scheduled for February 2-6, 2009 in St. Louis, Missouri.

OPERATING SUBCOMMITTEE REPORTS

Detailed reports from the 4 standing subcommittees and 1 ad hoc subcommittee are appended.

Due to the resignation of Dennis Neitzl from the TSSC subcommittee, Norm Dantz was nominated to be the new subcommittee chair. Therefore, the subcommittee chairs are as follows:

EMMC - Allen Watson

PDS - Bill Vilcheck

TSSC - Norm Dantz (nominee, to be voted on by executive committee at interim meeting)

DCS - Greg Drewiske

FP (Ad Hoc)- John Kay

SEATTLE CONFERENCE REPORT

Rich Turner reported that the final numbers for this conference will be reported at a later time.

FUTURE CONFERENCES

2009 Birmingham Conference

Robert Adams reported that the 2009 conference committee is aligned and the budget has been submitted to the Executive Committee Treasurer for approval. The Renaissance Ross Bridge Golf Resort and Spa Hotel has been secured for the dates of June 21-25, 2009 in Birmingham, AL. The social venue and activities have been selected. A keynote speaker has yet to be secured. Some of the next steps for this committee will be to finalize the room counts and work on resolving the conference registration issues.

2010 San Antonio Conference

Pam Gold reported for Peter Baen that the local committee is being formed and the Omni La Mansion Hotel has been selected for the 2010 conference in San Antonio, TX. The requested dates are June 21-25, 2010. A rate of \$142 per night is being honored for the conference dates and 3 days prior to and afterwards. Internet use will be free of charge as long as the guest joins the Omni Hotel Club, which is also free. The hotel contract is in the final stages of negotiations.

2010 and Beyond

John Malinowski presented a Power Point that reflected the attendance history by date and region for comparisons. Based on this information, he hopes to seek conferences in the following areas:

2011 - Nashville/Orlando (Need local chair and committee)

2012 - Montreal/Toronto

BIRMINGHAM CONFERENCE TECHNICAL PAPERS

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

A Papers – 12 E Papers – 27
B Papers – 22 Tutorials – 8
C Papers – 10 Panels – 3

D Papers - 7

He emphasized the need to push for the A/B papers to be presented at the conference. If these are able to materialize, this number looks good. Dave also stated his desire for feedback related to the format of the technical conference (i.e. number of papers, length of presentations, etc.).

MANUSCRIPT CENTRAL

Blake Lloyd reported that Manuscript Central will begin to be employed for papers presented at next year's conference. The Executive Committee decided to ease into usage and utilize it only at the paper grader level. More instruction will follow at the interim meeting.

OTHER BUSINESS

AD HOC - SUSTAINABILITY COMMITTEE

Dave Durocher gave a presentation that highlights this committee's focus on 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 and Plan to Attend Next Year" letters and an extra CD copy of the 2007 conference record were sent to industry engineers that attended the Williamsburg conference encouraging them to bring a friend next year. In January, a "Pledge to Be Great" letter was sent to a list of 464 emails via List Serve, (a free email database management service from IEEE) to promote this conference by identifying the following benefits of attending:

- 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

A chart reflecting the number of industry engineer conference attendees shows a steady improvement since the 2004 conference.

Efforts from this ad hoc committee will continue with the engagement of the local committee for the 2009 Birmingham Conference. Any suggestions for this committee are encouraged and welcomed.

AD HOC - PERPETUATION COMMITTEE

John Kay reported that this council has met two times via teleconference this year and will meet during this week. An outcome of this council has been the formation of the Forest Products Ad Hoc subcommittee. Information about this conference was sent to 6-8 Forest Product publications to increase awareness to that sector.

John Kay has asked to step down from this leadership role since his other PPIC obligations are increasing. Rory Johnson has agreed to be Vice Chair for this committee. A future chairperson is being sought.

AD HOC - STUDENT/YOUNG ENGINEERS COMMITTEE

Greg Drewiske reported that we have 4 intern students attending the conference this year as a result of the James A. Rooks Memorial Student Intern Program. An insert was included in the registration packet introducing these students. The logistics of utilizing the funding from this program need to be worked out with the IAS Treasurer.

The subcommittee chairs were asked to encourage their members to nominate eligible persons for the next conference.

JAMES A. ROOKS MEMORIAL

Dave Durocher noted that this report will be given tomorrow at the Awards Luncheon. Details include the following:

The funding drive last year resulted in approximately \$37,000 from company and individual contributions. Matching contributions from the IEEE Industry Applications Society resulted in an additional contribution of \$30,000. This was very successful and will continue for years to come.

Continued contributions are welcomed and can be made to: IEEE Foundation in memory of James A. Rooks, IEEE Development Office, 445 Hoes Lane, Piscataway, NJ 08854. This not-for-profit foundation qualifies for company matching gift programs.

NEW BUSINESS

INTERIM MEETING LOCATION

Blake Lloyd announced for Dave Rollay that the interim meeting will be held at the Westin Atlanta Airport in Atlanta, GA on October 19-20, 2008.

ELECTION OF NEW OFFICERS

The nominating committee for the officers consists of the Chair, Past Chair and Past Past Chair. These nominations are made to the Executive Committee of the IEEE Pulp and Paper Industry Committee. The following persons were recognized as nominees for placement beginning July 1, 2008:

Dave Durocher - Chair

Rhonda Banks - Vice Chair

Alex Wu - Secretary

John Kay - Treasurer

Larry Thomas made a motion to accept the nominees as named. The motion was seconded and approved.

WORKING GROUP FORMATION

A recommendation was made to start a working group for standards pertaining to AC drives and cabling.

THE MEETING WAS ADJOURNED AT 4:55 PM.

Appendix A - FULL COMMITTEE AGENDA

FULL COMMITTEE AGENDA

IEEE PULP & PAPER INDUSTRY COMMITTEE Grand Hyatt - Seattle, Washington JUNE 24, 2008 3:30 PM to 5:00 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: | Alem Levve |
| a – Membership | Alan Lowe |
| b – Mailing List | John Kay Rob Boteler |
| c – Publicity | Mark Weaver |
| d – Paper Awards / Magazine and Transactions Submittals | |
| e – PPIC Awards Nominations f – Fellows Nominations | Rory Johnson |
| 2 | John Kay |
| 6 - Liaison Reports: a – IEEE – IAS | Dave Durocher |
| b - PAPTAC (formerly CPPA) | John Kay |
| c – TAPPI | Burt Judson |
| d - IEEE - Standards Projects Coordinating | John Malinowski |
| e – Electrical Safety Workshop | Larry Thomas |
| 7 - Operating Subcommittee Reports: | |
| a – EMMC | Alan Watson |
| b – DCS | Greg Drewiske |
| c – PDS | Bill Vilcheck |
| d-TSSC | Tim Crnko |
| e – FPC (Ad Hoc) | John Kay |
| 8 – Seattle Conference Report | Rich Turner |
| 9 – Future Conferences | |
| a – 2009 – Birmingham | Robert Adams |
| b – 2010 – San Antonio | |
| c – 2010 and beyond | Peter Baen/ John Malinowski |
| Birmingham Conference Technical Papers | Dave D/Rhonda B |
| 10 - Manuscript Central | Blake Lloyd |
| 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 Rusiness | |

12 – New Business

Adjourn Full Committee Meeting on or before 5:00 PM

Appendix B – MEDIA NEWS RELEASE News release

For immediate release

Contact: Rob Boteler; rob.boteler@emerson.com (314-595-8387)

2008 PPIC Conference Held in Seattle Washington

The 54th Annual IEEE/IAS Pulp and Paper Industry Technical Conference was held this year at the Grand Hyatt Hotel in Seattle WA. June 23-27, 2008. Over 220 pulp and paper engineers, vendors and guests attended this year's conference.

On Sunday, the Executive Committee met to discuss several issues facing the committee. The committee acknowledges that the membership is getting older and growth will require the committee to broaden the conference audience to include other forest products industries. The committee will include more forest products information in future conferences along with an expanded effort to bring mill interns to the conference to provide an opportunity for them experience the benefits of PPIC membership, first hand.

We were saddened to learn that our committee has lost two of our long time members, Gary Morioka and Bill Polley. They will be missed by all.

Monday morning we began the conference with guest speaker Dr. Masood Akhtar, President Clean Tech Partners. Discussing Biofuels of the future. Dr. Masood provided great insight into current and future business options expanding potential uses for raw material or feedstock from forest resources. Dr. Masood's experiences with biofuels, allows him to relate the actual mill capabilities to real world solutions.

Technical Program

The technical program began on Monday with thirty-three technical papers being presented over the three-day conference. Committee Chair Blake Lloyd began the technical session with a review of the agenda and recognition of the members as individuals who contribute their time and effort as committee members, authors and sponsors who make the conference a success.

This year's technical papers included

- 1] Tests and protection with special focus on Arc Flash
- 2] Industry trends such as Biorefineries
- 3] Panel presentations discussing mill maintenance priorities during reduced budget period
- 4] In addition several new product presentations were made including motors and wireless communications.

PPIC 2008 Award Recipients

Meritorious Service Award; Rory Johnson has served as PPIC Chairman, Engineering Management Maintenance and Construction Subcommittee Chairman. Rory has served as PPIC Secretary and Vice/Program Chair plus Rory served as local chair in 1992 and 2001 in Portland.

Meritorious Engineering Award; Warren Hopper first attended the IEEE Pulp and Paper Industry Conference in 1975. He became a member in 1979 and has attended regularly ever since. Warren became a member of the Drives and Controls subcommittee in 2000 where has reviewed many papers, been a presenter for two tutorials, authored three best mill papers and co-authored on best conference paper.

Chairman Blake Lloyd honored several members for their outstanding papers presented at this year's conference.

Best Conference Paper

"Effect of Insulating Barrier in Arc Flash Testing" Robert Wilkins - Consultant Mike Lang - Ferraz Shawmut Malcolm Allison - Ferraz Shawmut

Second Best Conference Paper

"Application of Medium Voltage Cable Predictive Diagnostics" Benjamin Lanz - IMCORP Bruce Broussard - IMCORP

Best Mill Paper

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

In addition to the technical papers, the conference included four tutorials on the final two days. The tutorial attendance was over one hundred this year including attendees from mills around the country. PPIC's reputation for tutorial excellence was upheld at the 2008 conference through a wide range of topics taught by industry experts from many disciplines.

The full committee met in working groups Tuesday afternoon to review papers and plans for the 2009 Conference in Birmingham AL. Robert Adams, local chairperson provided a brief review of the paper selection and the array of activities available in the Birmingham area. Robert also noted that Birmingham is home to several award winning golf courses providing ample opportunities for all levels of play.

The Seattle Guest Program began with a tour of Pike's Market where spouses learned about the history of the market while sampling local fair and adding to the local economy. They also toured Lake Washington by boat taking in all of the sights, including the home of Microsoft founder Bill Gates.

The annual Wednesday night Conference Banquet was held at the Seattle Aquarium on Seattle's beautiful waterfront. Attendees and guests were able to mingle inside the aquarium and on the pier where they found fabulous weather, great food and views of the coastal mountains and Puget Sound.

APPENDIX B <u>MEDIA RELEASE</u>

New officers were approved for the next two-year period; the new Committee chair will be Dave Durocher, Technical Program Director will be Rhonda Banks, Secretary will be Axel Wu and Treasure will be John Kay.

The 54th PPIC conference was a great success. Richard Turner and his local committee did an outstanding job. Attendees participated in a learning experience that gave them additional insights and practical knowledge to better work in an ever- expanding global arena. Attendees also had an opportunity to network and meet first time attendee interns, mill engineers and vendors.

The members of PPIC are looking forward to Birmingham next year and an ever-improving conference and technical program. The members extend an invitation to all those interested to attend next years conference. They may visit; http://www.pulppaper.org for conference details.

Robert B Boteler PPIC Publicity

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APPENDIX C - EMMC SUBCOMMITTEE MEETING MINUTES

Engineering, Management, Maintenance & Construction Subcommittee
Conference Meeting Minutes
June 24, 2008 – Seattle, WA

Meeting Date: June 24, 2008

Meeting Start: 1:00 PM

Meeting Adjourned: 3:15 PM

Recorded By: Allen Watson

Total Members: 20

Members Present: 10

Rhonda Banks

Dave Durocher

Burt Judson

Blake Lloyd

George Matto

Larry Menche

Jerry Nuernberger

Roland Roberge

Mike Tribe

Allen Watson

Visitors: 5

Jim Gibson Curtis Taylor Pamela Gold Luis M. Tomioka

Robbie McElveen

Members Excused: 6

Peter Baen Robert Montgomery

Laurie Cihlar Russ Thrift
Tim Hoy Rick Watkins

Members Not Excused: 2

Dale Basso Steve Trussell

Members Resigned: 1

Jahan Kargar

Members Deceased: 1

William Polley

2009 Paper Reviewer:

Larry Menche

APPENDIX C

EMMC SUBCOMMITTEE

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.

- Someone is needed to volunteer for the unusual failures for this conference.
- Three students were attending this year as part of the new student attendance program.
- Need a volunteer for the Perpetual Coordinator.
- Need a volunteer for a Power Point Operator.
- Mark Weaver is taking over for Laurie Cihlar as the Paper Awards Chair.
- Manuscript Central will be used for the Birmingham Conference. Paper Graders will be trained to use it.
- The Birmingham conference will be at the Ross Bridge Golf Resort & Spa 6/21/09 to 6/25/09. Room cost expected to be \$179/night.
- The interim meeting will be 10/19/08-10/20/08 at the Westin Hotel Atlanta Airport.
- Nominations for the Meritorious service award and the engineering award must have paperwork submitted within 2 weeks of the interim meeting.

New Business

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

The EMMC Subcommittee discussed the name of our subcommittee and the applicability. The EMMC Subcommittee decided to change the name to the PCEMC (Process Control, Engineering, Maintenance and Construction) Subcommittee.

Jahan Kargar resigned from the committee and Blake Lloyd 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 SUBCOMMITTEE

EMMC FUTURE PAPERS

| | | | | S | Statu | S | | | | | |
|-------------|--------------|--|---|---|-------|---|---|------|-------|-------|----------|
| Number | Subcommittee | Title | Α | В | С | D | Е | Year | Paper | Panel | Tutorial |
| 2003-2 | EMMC | WIRELESS ETHERNET NETWORK FOR REMOTE CONTROL OF A CHIP RECEIVING SYSTEM | 1 | | | | | 2009 | 1 | | |
| 2006-2 | EMMC | DEVELOPMENT IN INDUSTRIAL LIGHTING | | 1 | | | | 2009 | 1 | | |
| 2006-3 | EMMC | GENERATION INTERCONNECTIONS, A CASE STUDY | | | | | 1 | 2009 | 1 | | |
| 2007-2 | ЕММС | FUTURE OF FIELDBUS NETWORKS | | | | | 1 | 2009 | 1 | | |
| 2007-3 | EMMC | CASE STUDY: RETROFIT APPLICATION OF A DC AND AC MOTOR DRIVING A FAN PUMP THROUGH A COMMON SHAFT | | | 1 | | | 2009 | | | |
| 2007-4 | EMMC | PAPER MACHINE AUTOMATION UPGRADE – "BIG BANG" RATHER THAN A STAGED INCREMENTAL APPROACH: CASE HISTORY | | | 1 | | | 2009 | 1 | | |
| 2007-7 | EMMC | MANAGING SHAFT CURRENT BEARING ISSUES | | | 1 | | | 2009 | 1 | | |
| 2007-9 | EMMC | ON-LINE AND NON- INTRUSIVE ENERGY MONITORING AND SYSTEM PROGNOSTICS FOR PULP AND PAPER INDUSTRY | | 1 | | | | 2009 | 1 | | |
| 2007- 10 | EMMC | NFPA 70E-2009 WHAT HAS CHANGED? | | | | | | 2009 | | | 1 |
| 2008-2 | EMMC | EMERGING IEC STANDARDS FOR MOTORS FOR VSD APPLICATIONS | | | | 1 | | 2009 | 1 | | |

APPENDIX C

EMMC SUBCOMMITTEE

| 2008-3 | EMMC | ETHERNET NETWORKING FOR PROCESS CONTROL | | | | | 1 | 2010 | 1 | | |
|--------|------|---|---|---|---|---|---|------|----|---|---|
| 2008-4 | ЕММС | PROPER CARE & FEEDING OF MOLDED CASE CIRCUIT BREAKERS TO ASSURE SAFE & RELIABLE OPERATION | | 1 | | | | 2009 | 1 | | |
| 2008-6 | EMMC | COMMUTATION OF DC MOTORS OPERATED AT REDUCED FIELD CURRENT | | 1 | | | | 2009 | 1 | | |
| | | TOTAL | 1 | 4 | 3 | 1 | 3 | • | 11 | 0 | 1 |

APPENDIX D - PDS SUBCOMMITTEE MEETING MINUTES

Meeting Minutes Published Tuesday June 24, 2008

POWER DISTRIBUTION SYSTEMS SUBCOMMITTEE MEETING MINUTES **GRAND HYATT SEATTLE - SEATTLE, WA**

June 24, 2008 Meeting Date:

Meeting Start: 12:15 PM Meeting Adjourn: 2:45 PM

Recorded by: Bill Vilcheck

New Members: 2 Total Membership: 37

Guests: 15

Members Present: 22

ROBERT L ADAMS GEOFF CLARK

CATHERINE DALTON J C DAS

RICHARD FIELD BRENDA ETZEL BRUCE GRAVES RICHARD HUNT DAN KOBIDA **TODD LEGETTE** JOHN S LEVINE STAN MERRITT CHARLES J MOZINA **FELIX NEPVEUX** RICHARD SCHAEFER RONALD H SIMPSON

RICK TIMMS GLENN SMITH

RICH TURNER MARCELO VALDES

WILLIAM S VILCHECK **ALEX Y WU**

Members Excused: 5

BOB BELTZ TONY LOCKER DOUG MOODY **BUD PALMER**

TED SEXTON

Members Unexcused: 10

TOM BLOOMING **ROY COSSE**

NORMAN LANZ STEPHEN DYRNES CHARLES J HARDY **GUS HENSON**

RICHARD KIRBY **VERNON A NEWBILL**

ED REID CARLOS J YEPEZ

APPENDIX D

PDS SUBCOMMITTEE

Guests: 15

KEVIN BONNER
CAMERON CLARK
TOM DIONISE
JOHN FARMER
JANE HUTT
ANTON SCHMIDT

BRYAN BRENNAN
DOUG DIETZEN
HASSAN EISSA
JEFFREY HILL
MARK POLLOCK
JOHN SELLERS

SARAH WANG YONAS WOLDEMICHAEL

MARK ZELLER

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 Seattle, WA PDS Subcommittee 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

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

- 1. Proposed revisions to Operating Guide to better describe relationship between Committee Treasurer and Conference Committee
- 2. Consider updating Subcommittee scope statement.
- 3. The 2008 conference will be held in Seattle, WA June 22-27. The 2009 conference will be held in San Antonio.
- 4. The 2008 Interim Meeting will be held Oct 19-20 at the Westin Atlanta Airport Hotel

Future Papers

See attached table.

Old Business

There were no nominations for the Meritorious Awards.

New Business

- 1. General discussion of the role of IEEE Manuscript Central and its impact upon the PPIC technical paper submittal, review, and grading process.
- 2. Discussion to review the Subcommittee scope statement for relevancy. Discussion will continue at the Interim Meeting.

PDS SUBCOMMITTEE

- 3. The following people requested an application to join PPIC and PDS:
 - Jane Hutt National Electric Coil
 - Jeff Hill Georgia-Pacific
 - John Farmer SNC-Lavalin
- 4. PDS Subcommittee adjourned at 2:45 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 | В | 2009 |
| 2008-4 | CT Selection | С | 2009 |
| 2008-10 | TUTORIAL - Feeder Protection and CT Saturation | | 2009 |
| 2008-17 | Application of High Resistance Grounding with New Technology to Reduce Hazards | В | 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 | С | 2009 |
| 2009-3 | Lessons Learned from Generator Tripping Events at Industrial Facilities | Α | 2009 |
| 2009-4 | What the Time-Current Curves Won't Tell You | Α | 2009 |
| 2009-5 | Proper Testing of Protection Systems Ensures Against False Tripping and Unnecessary Outages | В | 2009 |
| 2009-6 | Innovative, Robust, and Secure Industrial Solutions Using Microprocessor Relays | В | 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 |
| Danar | | | |
| Paper Status | 2009 | | |
| A | 4 | | |
| В | 4 | | |
| С | 2 | | |
| D | 0 | | |
| Е | 0 | | |
| Tutorial | 2 | | |
| Panel | 0 | | |
| Total | 12 | | |

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

Meeting – Seattle, WA MINUTES of MEETING

Meeting Date: June 24, 2008

Recorded by: Tim Crnko

Members Present: Jim Williams

Ralph Shead Paul Rouillier Norm Danz D. Ray Crow Pat Malie Larry Thomas Lanny Floyd Tim Crnko **Total: 9**

Members with an Excused Absence:

Dennis Neitzel

Total: 1

Members with an

Unexcused Absence: Bob Jordan

Kevin Lippert Jim Harris Richard Barker

Total: 4

Total Members: 13

Guests: Jim White Shermco 214-912-9577 jrwhite@shermco.com

Dave Rollay Rockwell 414-899-8854

Steve Pitman Potlatch Corp 208-799-1756 steve.pittman@potlatchcorp.com

Bryan Gunter Meadwestvaco brg8@meadwestvaco.com

Total: 4

Persons at meeting: 14

Introductions

The meeting was called to order sometime after noon by Acting Chairman Tim Crnko. Dennis Neitzel had to withdraw as Chair.

All attendees and guests introduced themselves. Attendance was taken with correction to contact information.

Announcements & General Business

Discussed the process for nominees for both the meritorious service and meritorious engineering were discussed. Members can give note of suggested names for nominations to new TSSC Chairman. The interim meeting in October is the deadline for New TSSC Chairman to submit any nominations to the Executive Committee.

Status of 2008 Technical Papers, Updates, & Tutorials

| | Α | В | С | D | E |
|------------|---|---|---|---|---|
| Papers | | | 5 | | |
| C&S* | | | 4 | | |
| Update | | | I | | |
| Arc Flash | | | | | |
| Research | | | 1 | | |
| Update* | | | | | |
| Tutorials | | 3 | | | |
| 90 Minute | | | | | |
| Electrical | | | 4 | | |
| Safety | | | ı | | |
| Panel** | | | | | |

^{*} Code & Standards Update & 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 6-08 for details.

TSSC Paper Reviewer for the Birmingham Conference in 2009 will be Bryan Gunter (needs to join TSSC) with Ralph Shead as backup.

Other Business

TSSC Chair: Norm Danz was elected as the candidate for TSSC Chair and his name was submitted to the Executive Committee. Norm should recruit a TSSC Vice Chair.

<u>Adjournment</u>

The meeting was adjourned at 3:00pm.

After Hours

Aftermath of Thursday 70E Tutorials was an idea to have an electrical safety panel during the main sessions: possible panel members Ray Crow, Jim White, Daleep Mohla

<u>Distribution of Minutes</u>: Subcommittee members and guests, Committee Secretary, Committee Membership Chair.

^{**} See After Hours idea for Panel

TSSC SUBCOMMITTEE

TSSC FUTURE PAPERS

| CONF | Paper Status | | 3 | TITLE | | |
|------|--------------|---|----------|--------------------------------------|---|---|
| YEAR | Α | В | С | D | Ε | |
| 2009 | | Х | | | | Code and Standard Update This is PowerPoint only No Paper Necessary |
| 2009 | | | Х | | | Update on IEEE/NFPA Research Project on Arc Flash This is PowerPoint only No Paper Necessary |
| 2009 | | | X | | | Qualified Personnel Training Requirements |
| 2009 | | | X | | | Designing to Arc Flash Incident Energies of 2 cal/cm2 or less (Presented at Electrical Safety Workshop) |
| 2009 | | | X | | | Winder Safety |
| 2009 | | | X | | | What You Need to Put into A Request for Quote for Arc Flash Study |
| 2009 | | | X | | | High Density Grounding? |
| 2009 | | | X | | | Panel on Electrical Safety 90 minutes format (Similar to 2008 Maintenance Discussion) |
| 2009 | | Т | utori | ial | | Tutorial - Electrical Safety / Risk Management |
| 2009 | Tutorial | | _ | Tutorial - PPE: What is new, changes | | |
| 2009 | Tutorial | | Tutorial | | | Tutorial – Work Place Auditing Internal and External |

APPENDIX F - DCS SUBCOMMITTEE MEETING MINUTES

DRIVES AND CONTROL SYSTEMS SUBCOMMITTEE IEEE/ IAS PULP & PAPER COMMITTEE 2008 ANNUAL MEETING MINUTES

Meeting Date: Tuesday, June 24, 2007

Meeting Started: 1:05 PM
Meeting Adjourned: 3:10 PM

Chairman: Greg Drewiske
Vice Chairman/Secretary: Darren Honaker

Total Members: 59
Members Present: 31
Members Excused: 8
Members Not Excused: 20
Guests: 14

Introduction

· Members and guests introduced themselves

Attendance / Membership List passed around and annotated

Announcements

Antitrust Announcement was read.

Reminder committee remembers 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. 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 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 Atlanta Interim 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 Tennessee 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: "A Guide for Maintenance Practices and Frequencies for Electrical Equipment in Pulp & Paper Industry Installations". Duncan Rhodes reviewing with IEEE on creating a standard.

Russ Thrift nominated for Meritorious Service Award. (Alan Lowe nominated).

Review of Papers:

See attached spreadsheet

Paper count is:

| Level | 2009 | 2010 |
|----------|------|------|
| Α | 6 | 1 |
| В | 10 | 1 |
| С | 4 | 1 |
| D | 1 | 1 |
| E | 3 | 0 |
| Tutorial | 2 | 1 |
| Panel | 1 | 0 |

06/21/09

DCS SUBCOMMITTEE

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

10/22/08 Interim Meeting. Rough drafts available for reviewers.

Author kits to authors (sent by sponsors)

| 11/05/08 | Author Guide is posted on website |
|----------|--|
| 11/17/08 | Reviews of rough Drafts due. |
| 01/11/09 | Final drafts to reviewers (sent by sponsors) |
| 02/15/09 | Review of final drafts due. |

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

| 03/14/09 | Final manuscript sent to Program Chair. |
|----------|--|
| 04/04/09 | Manuscripts sent to printer. |
| 04/18/09 | Acknowledgment and schedule sent to authors. |
| 06/13/09 | Bound copies of record sent to Conference Chair. |
| | |

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.

APPENDIX F

DCS SUBCOMMITTEE

DCS FUTURE PAPERS

| Number | Year | Α | В | С | D | Е | Paper | Panel | Tutorial | Title |
|-------------|------|---|---|---|---|---|-------|-------|----------|--|
| 2003- 09 | 2009 | 1 | | | | | 1 | | | Multi-Drive Control Issues for Electronic Line Shaft Implementation |
| 2003- 14 | 2009 | 1 | | | | | 1 | | | Paper Machine Dryer Section Tuning |
| 2004- 25 | 2009 | | 1 | | | | 1 | | | Impact of Medium Voltage Drives on Design and Insulation of MV Motors |
| 2005- 13 | 2010 | | 1 | | | | 1 | | | On-machine Diagnostics of Machine Variables using FFT Analysis |
| 2005- 15 | 2010 | | | | 1 | | 1 | | | Update on IEEE 841 Spec |
| 2006- 03 | 2009 | 1 | | | | | 1 | | | Modeling and evaluation of dryer sections of paper machines driven by gear trains |
| 2006- 06 | 2009 | | 1 | | | | 1 | | | Modeling the Common Mode Noise on Low Voltage Drive and Motor System |
| 2006- 08 | 2010 | | | 1 | | | 1 | | | Field Report on toroidal bearing successes |
| 2006- 09 | 2010 | 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- 19 | 2009 | | 1 | | | | 1 | | | Part 2: Effect of Ground Faults on Common DC Bus AC Drive Systems |
| 2006- 20 | 2009 | 1 | | | | | 1 | | | Bearing Currents in Inverter-fed AC Motors |
| 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 |
| 2007-7 | 2009 | | 1 | | | | 1 | | | Review of upcoming changes to global motor efficiency regulations |
| 2007-8 | 2009 | 1 | | | | | | | 1 | TAPPI/IEEE Drives Short Course |

APPENDIX F

DCS SUBCOMMITTEE

| Number | Year | А | В | С | D | E | Paper | Panel | Tutorial | Title |
|---------|------|---|---|---|---|---|-------|-------|----------|--|
| 2007-10 | 2009 | | | | | 1 | | 1 | | Comparison of current high efficiency motor technologies: Permanent Magnet Switch Reluctance Die Cast Copper Rotors |
| 2007-11 | 2009 | | 1 | | | | 1 | | | Field experience with acceleration feedback in Paper Machine Drive Regulatory Control |
| | | | | | | | | | | |
| 2007-12 | 2009 | | | | 1 | | 1 | | | Integrating Existing Systems with Open Source Software |
| | | | | | | | | | | |
| 2007-14 | 2009 | | | 1 | | | 1 | | | Permanent Magnet Motors for Energy Savings and Power Density in Industrial Applications |
| | | | | | | | | | | |
| 2007-15 | 2009 | 1 | | | | | | | 1 | VFD Cabling and Termination (Service Wire) - Same as Appleton |
| | | | | | | | | | | |
| 2007-16 | 2009 | | | | | 1 | 1 | | | Medium voltage VFD cabling |
| | | | | | | | | | | |
| 2008-2 | 2009 | | 1 | | | | 1 | | | An Expert System for the Detection of Condensate Accumulation in Dryer Cylinders |
| | | | | | | | | | | |
| 2008-3 | 2009 | | 1 | | | | 1 | | | Implementation of Robust, Sensorless Tension Control and On-Line Sensing of Modulus of Elasticity in the Dry-End Sections of a Lightweight Paper Machine |
| | | | | | | | | | | |
| 2008-4 | 2009 | | 1 | | | | 1 | | | Magnetic Noise in Induction Motors |
| | | | | | | | | | | |
| 2008-5 | 2009 | | | 1 | | | | | | Practical Guidelines for Power Cabling Terminations on VFDs |
| | | | | | | | | | | |
| 2008-6 | 2009 | | | 1 | | | | | | Low base speed water cooled motors for direct drive of Dryers |
| 2008-7 | 2009 | | | | | 1 | | | | Application Considerations of Cup Meters |
| 2000-7 | 2009 | | | | | ı | | | | Application Considerations of Cup Motors |

APPENDIX G – FP SUBCOMMITTEE MEETING MINUTES

Forest Products Subcommittee – Annual Conference Report IEEE – Pulp & Paper Industry Committee Meeting Minutes for June 24, 2008

12:30 PM - Meeting was called to order as we welcomed all to this Forest Products Subcommittee meeting

Chairman- John A. Kay, Rockwell Automation Canada **Vice-Chair**- Rory Johnson, Weyerhaeuser Company

Total Attendance,

- 4 Members
- 1 Member excused
- 1 Guest (application pending)

We reviewed the vision statement for the committee. Discussions were had surrounding other target 'markets'. Printing and packaging locations may also be possible targets for the future but we will concentrate the efforts of this subcommittee on the wood products industries.

This committee generated two papers which were presented at this year's conference, "Topics of Common Interest of the Forest Products and paper Industries" and "Infrared Inspection in Forest Products Processing Environments". Both are excellent papers.

We reviewed the paper ideas generated from our interim meeting and generated new paper topics and solicited sponsors and authors. One draft paper is already ready for 2009 presentation.

Additional possible paper topics that were discussed as possible future papers included,

- Environmental Controls (MACT)
- Environmental Compliance and Controls
- The Technical Skills Void
- Training Skills
- Controlling your safety program
- A Generic Justification Tool for VFD
- Power Distribution Management
- Network Controls and Management
- Network Security Protocols
- Welder and Power Tool use at a forest Products Operation
- Safety Related to Cable Lock Out systems
- How mixed voltages in your control panels affects your safety Procedures
- X-ray and Gamma Ray Sensor Maintenance
- Infrared technologies /Corona detection
- Motion and Servo Control Introduction
- Vision Systems used in wood product industries
- Planer Mill Installation Case Study
- Considerations for the installation of Arc Resistant MV control equipment in forest products industries
- Impact of the new Energy Act
- New Energy Efficiency requirements for transformers
- Energy Star Update
- Power Quality requirements in Information technology based systems
- MV Starter maintenance resistance check
- Energy efficiencies in gearboxes and mechanical drive systems
- Ethernet integration in the forest products industries
- How can your forest products industry link into the biomass trends
- Electrical Safety a refresher

- How to manage obsolescence of equipment
- Maintenance of aging equipment

The totals based on our standard paper status definitions were,

| Paper Total | als |
|-------------|-----|
| A Papers | 1 |
| B Papers | 0 |
| C Papers | 1 |
| D Papers | 5 |
| E Papers | 21 |
| Paper Total | 28 |

Classification of Paper Status

- A Rough draft complete, ready for review
- B Abstract complete
- C Committed Sponsor and author
- D Committed Sponsor, no author
- E Idea or concept only

We have a tentative paper grader for the 2009 conference- Bruce Honda.

We adjourned at 3 PM.

APPENDIX G

FPS SUBCOMMITTEE

FP FUTURE PAPERS

| Number | Year | А | В | С | D | Е | Paper | Panel | Tutorial | Title |
|---------|------|---|---|---|---|---|-------|-------|----------|---|
| 2007-03 | 2009 | | | | | 1 | 1 | | | Environmental Controls (MACT) |
| 2007-04 | 2009 | | | | | 1 | 1 | | | Environmental Compliance and Controls |
| | 0000 | | | | | | | | | The Table is all Olive Veril |
| | 2009 | | | | | 1 | 1 | | | The Technical Skills Void |
| | 2009 | | | | | 1 | 1 | | | Training Skills |
| | | | | | | | | | | |
| | 2009 | | | | | 1 | 1 | | | Controlling your safety program |
| | 2009 | | | | | 1 | 1 | | | A Generic Justification Tool for VFD |
| | | | | | | | | | | |
| | 2009 | | | | | 1 | 1 | | | Power Distribution Management |
| | 2009 | | | | | 1 | 1 | | | Network Controls and Management |
| | | | | | | | | | | |
| | 2009 | | | | | 1 | 1 | | | Network Security Protocols |
| | 2009 | | | | | 1 | 1 | | | Welder and Power Tool use in a forest Products Operations |
| | | | | | | | | | | |
| | 2009 | | | | | 1 | 1 | | | Safety Related to Cable Lock Out systems |
| | 2009 | | | | | 1 | 1 | | | How mixed voltages in your control panels affects your safety Procedures |
| | | | | | | | | | | |
| | 2009 | | | | | 1 | 1 | | | X-ray and Gamma Ray Sensor Maintenance |
| 2009-01 | 2009 | | | | 1 | | 1 | | | Infrared technologies /Corona detection |
| | 0000 | | | 4 | | | | | | Malian and Control Harman at its |
| | 2009 | | | 1 | | | 1 | | | Motion and Servo Control Introduction |
| | 2009 | | | | | 1 | 1 | | | Vision Systems used in wood product industries |
| | 0000 | | | | - | | , | | | Discontinuo de la Contraction |
| | 2009 | | | | 1 | | 1 | | | Planer Mill Installation - Case Study |
| 2009-02 | 2009 | 1 | | | | | 1 | | | Considerations for the installation of Arc Resistant MV control equipment in forest products industries |
| | 2009 | | | | | 1 | 1 | | | Impact of the Energy Act |
| | | | | | | | | | | |
| | 2009 | | | | 1 | | 1 | | | New Energy Efficiency requirements for transformers |

APPENDIX G

FPS SUBCOMMITTEE

| Number | Year | Α | В | С | D | Е | Paper | Panel | Tutorial | Title |
|--------|------|---|---|---|---|---|-------|-------|----------|--|
| | 2009 | | | | | 1 | 1 | | | Energy Star Update |
| | | | | | | | | | | |
| | 2009 | | | | 1 | | 1 | | | Power Quality requirements in Information technology based systems |
| | | | | | | | | | | |
| | 2009 | | | | | 1 | 1 | | | MV Starter maintenance - resistance check |
| | | | | | | | | | | |
| | 2009 | | | | 1 | | 1 | | | Energy efficiencies in gearboxes and mechanical drive systems |
| | | | | | | | | | | |
| | 2009 | | | | | 1 | 1 | | | Ethernet integration in the forest products industries |
| | | | | | | | | | | |
| | 2009 | | | | | 1 | 1 | | | How can your forest products industry link into the biomass trends |
| | | | | | | | | | | |
| | 2009 | | | | | 1 | 1 | | | Electrical Safety - a refresher |
| | | | | | | | | | | |
| | 2009 | | | | | 1 | 1 | | | How to manage obsolescence of equipment |
| | | | | | | | | | | |
| | 2009 | | | | | 1 | 1 | | | Maintenance of aging equipment |

MEMBERSHIP REPORT

APPENDIX H - MEMBERSHIP REPORT

IEEE/IAS Pulp and Paper Industry Committee Members and Applicants

ROBERT L ADAMS [Robert] IEEE Senior Member #07968274 PPIC Member Since 6/00 Subcommittee PDS

TIMOTHY R ALBERS [Tim] IEEE Senior Member #40354971 PPIC Member Since 6/00 Subcommittee DCS

R KEITH ALLEN [Keith] IEEE Member #08316143 PPIC Member Since 9/06 Subcommittee DCS

PETER R BAEN [Peter] IEEE Senior Member #4757670 PPIC Member Since 6/97 Subcommittee EMMC

RHONDA D BANKS [Rhonda] IEEE Senior Member #4876215 PPIC Member Since 7/95 Subcommittee EMMC

J RICHARD BARKER [Richard] IEEE Senior Member #03652872 PPIC Member Since 6/03 Subcommittee TSSC

DALE A BASSO [Dale] IEEE Member #80590066 PPIC Member Since 8/07 Subcommittee EMMC

ROBERT J BELTZ [Robert] IEEE Senior Member #00452441 PPIC Member Since 6/00 Subcommittee PDS

J M BENTLEY [John] IEEE Life Fellow Member #364101 PPIC Member Since 5/84 Subcommittee DCS

THOMAS M BLOOMING [Tom] IEEE Senior Member #00692053 PPIC Member Since 10/05 Subcommittee PDS

KEVIN S BORTHWICK [Kevin] IEEE Senior Member #02024347 PPIC Member Since 10/05 Subcommittee DCS

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EATON CORPORATION 7000 HIGHLANDS PARKWAY SE

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Rev. 08/11/2008

MEMBERSHIP REPORT

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APPENDIX I - ATTENDANCE REPORT

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| APPENDIX I | |

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| No. | Chad McLelland | | | | | | | | | | | | | | | | | | | | | | |
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| No. | Doug Moody | | | | | | | | | | | | | | | | | | | | | | Ш |
| THE | Chuck Mozina | | | | | | | | | | | | | | | | | | | | | | |
| THE REPORT OF THE PROPERTY OF | Dennis Neitzel | | | | | | | | | | | | | | | | | | | | | | |
| THE REPORT OF THE PROPERTY OF | Felix Nepveux | | | | | | | | | | | | | | | | | | | | | | |
| THE REPORT OF THE PROPERTY OF | Vernon Newbill | | | | | | | | | | | | | | | | | | | | | _ | |
| No. | Jerry Nuernberger | | | | | | | | | | | | | | | | | | | | | | × |
| No. | Larry Olsen | | | | | | | | | | | | | | | | | | | | ~ | | |
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| No. | David Rains | | | | | | | | | | | | | | | | | | | | | | × |
| XXX XXX XXX XXX XXX XXX XXX XXX XXX XX | Ed Reid | | | | | | | | | × | × | × | × | X/E | | | | | | | | | |
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APPENDIX I

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