



**INDUSTRY APPLICATIONS SOCIETY**

**PULP & PAPER INDUSTRY COMMITTEE**

MINUTES of the

**FULL COMMITTEE**

MEETING



**2002 INTERIM COMMITTEE MEETING**

**Atlanta, Georgia**

**October 26, 2002**

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**IEEE/IAS PULP & PAPER INDUSTRY COMMITTEE  
ANNUAL CONFERENCE MEETING  
MINUTES OF THE FULL COMMITTEE  
WESTIN AIRPORT HOTEL  
ATLANTA, GEORGIA**

**OCTOBER 26, 27 2002**

## **WELCOME AND INTRODUCTIONS**

Ron Simpson called the meeting to order at 1:00 PM. He welcomed everyone to Charleston and the Full committee meeting. He then asked everyone in turn to introduce him or herself. Allan Lowe circulated a meeting sign in sheet and asked all attendees to indicate their presence. He also circulated the committee roster for people to make corrections. XX committee members attended.

## **SECRETARY'S REPORT**

Rory Johnson announced that the minutes from the last Main Committee meeting had been sent out. A motion was made and passed to accept the minutes. Rory reported the following:

Total Active Members	123
Total Email	120
No Email	3
Undeliverable Emails	12

Rory reviewed the status of the method for issuing the minutes. The use of zip files to issue the 2001 conference committee meeting minutes had numerous problems. A suggestion was made at the interim meeting to setup an FTP site and post the notes there. Problems with finding someone to host the site prevented that from being accomplished (See Old Business). With deletion of the membership list from the report the file appeared to be small enough to email without zipping. Emailing the main committee minutes resulted in 12 emails returned but only 2 because the file was too large.

A suggestion had been made to post the committee membership on the web site where the committee minutes could also be posted. Rory had agreed to add the list to the web site but as that failed to materialize he indicated he would attempt to send it as a separate email when the conference committee minutes are sent. Blake Lloyd to get moving and establish a permanent web site for the group—a draft will be available for the next meeting.

## **EXECUTIVE COMMITTEE REPORT**

Blake Lloyd reported that 18 members were in attendance at the Executive Committee meeting. The meeting started at 6PM Sunday evening and adjourned at 8:30PM. Discussion focused on falling attendance and getting more members in the committee etc etc.

## **2002 TORONTO CONFERENCE REPORT**

John Kay reported the following conference attendance for the Toronto conference: Only one of local committee here (Blake) – hopefully had a good time. Attendance level less than what picked much earlier – decline hurt conference. Problem with hotel due to attendance – penalty – IEEE got involved in negotiations and as a result - deficit of \$56K US. Advice, easier to go up – not down....124 members, 27 non- members, 10 fellows or life members, only 1 student, 3 retirees. Audit is “almost” done – in its final stages – done by interim meeting.

## TREASURER REPORT/CONFERENCE AUDITS

Dave Durocher reported that the IEEE is having some trouble closing the conference(s) based on the Audits. The, Portland conference is now closed – and they made money. As reported above – the Toronto conference is almost closed.

## STANDING SUBCOMMITTEE REPORTS

### MEMBERSHIP

Jkhkjlhklhkljh Very few excused absences – please pass to Alan if you have received some. Alan added a new field to the database for affiliation (mill, vendor, consultant, educational) – see the exec meeting minutes for the actual #'s.

Alan Lowe reported that membership has dropped to 122 members. Since the annual meeting in June we have had the 8 new members, 1 deceased, with 3 new applications pending.

At the annual meeting in June we had 69 members present, 18 members requested excused absences and 26 had unexcused absences.

A full report is given in the Appendix.

### MAILING LIST

John Kay reported that the list was updated with the corrections from the 2002 Toronto Conference. Has 1900 names approximately. List revised and sent to Rhonda Banks. Mailing list is in back of each session – please update yourself and others.

### PUBLICITY

Ron Mehofer reported the publicity release on the 2002 Conference held in Toronto, Canada on June 17-21 at the Sheraton Center was published in the *IEEE Industry Applications Magazine*'s January/February 2003 issue.

### PAPER AWARDS AND PUBLICATIONS

Laurie Cihlar reported 8 papers were submitted to transactions and 11 papers were recommended for publication in the IAS Magazine. Paper reviewers acknowledged. Larry minche, bucky hamonds, bob adams, paul roullier, mark weaver, john Thompson.

### FELLOWS NOMINATIONS

Clayton Reid reported that Clayton Reid has been voted as Fellow of the IEEE. Clayton asked for help from the committee in identifying other people who are appropriate to be nominated as IEEE Fellows. Two others in audience, Jim Daily and Bob Lorenz also nominated – but not by our committee. Clayton again remind about IAS awards and asked committee to consider nominating people. Bob Lorenz will get the Outstanding Achievement award in Salt Lake city later this year.

### SENIOR MEMBER

Jim Rooks reports that Rhonda Banks is now a senior member. At last count 7 life member, 77 senior, 29 members, and 10 associates.

## Liaison Reports

### PAPTEC (CPPA)

PAPTECH (CPPA) annual meeting was in January 2003 was well attended. Paper week is called, includes xfor – had 440 companies exhibiting there. Had 999 registered technical delegates. 4250 vendors, total of 10K people, 25 countries. Next year, last week of January in Montreal again.

## IEEE/IAS

Clayton reported the IAS Conference would be held in September.

## TAPPI

Burt Judson reported that the next TAPPI Conference - PCE&I (Process Control, Electrical, and Information. Conference attendance was a main topic of discussion at their last conference. They have merged all the 12 TAPPI divisions – they are meeting this fall in September in Chicago...Want to meet jointly in 2005 in Jacksonville with this group.

## IEEE - STANDARDS COORDINATING

Jim Daily. – on proposed change was accepted to limit unshielded cables of 2000volts – expect that will limit to non-industrial environment. Also changes to 110-16 – flahs protection – new marking of equipment that may require maintenance when on-line. A global proposal to shift grounding to bonding throughout the whole thing. Deadline Oct 31, 2003 for the several thousand changes – review and send in comments if you don't like it. IEEE c96.6 passed ballot and has been published – acute effects of EMF only covered.

# OPERATING SUBCOMMITTEE REPORTS

## EMMC

Rhonda Banks reported that her committee had 33 members, 16 present 4 excused absences and 12 unexcused absences.

Potential papers for next year:

Number	Type
4	A
2	B
4	C
3	D
3	E

Potential for 1 panel.

## PDS

Bruce Graves reports 12 members in attendance this morning out of a membership of 36. 7 absences were excused and rest unexcused with 2 visitors. 5 guests, and 2 first time attendees.

Potential papers for next year:

Number	Type
4	A
2	B
6	C
2	D
0	E

1 panel

## TSSC

Jim Williams reported 14 members with 8 present. There were 1 excused absences, 5 unexcused absences and 1 guest. Looking for members.

Potential papers for next year:

Number	Type
0	A
2	B
0	C
1	D

0 E

### **DCS**

Bob Olsson reported 32 present out of 42 total members with 3 excused absences, 4 unexcused absences and 2 guests. Potential papers for next year:

Number	Type
6	A
4	B
11	C
2	D
2	E

## **2003 CHARELESTON CONFERENCE REPORT**

Rhonda Banks reported total 150 registered, 128 full, rest wed, thurs or Friday only. 3 tutorials. Tour has 13. First time attendees 28 – guest program 27, 100 for the social.

## **2003 CHARELSTON TECHNICAL PROGRAM**

Rory Johnson reported making changes to the paper database, now to excel from access – hopefully more usable.

Sponsors – their job is to guide the process, make sure the paper gets reviewed – when you volunteer you have to do work! He does not like getting paper direct from author – not sure that the sponsor has made sure process followed.

Have 25 paper presentations this week. Good technical session.

Rory Johnson reviewed the 2003 program potential. Rory reported that the total potential papers from the subcommittee meetings compared to the last two years at the conference were:

Next years papers for 2004. get from Rory.- good shape.

## **FUTURE CONFERENCES**

### **2004 – Victoria, BC**

Mark Weaver is the chairman for this conference, Tim Hoey came to talk about it for Mark. He reported that they are still on schedule for the 2004 conference in Vancouver and they are doing lots of stuff to change format and improve membership etc. Doing a transfereable web site that will also link to the permanent site. Registrations and links etc – will be up in the next few months.

### **2005 – JACKSONVILLE, FL**

Rich Butler reports that in 2005 the PPIC conference is on for Jacksonville, FL June 20 to the 24. The IEEE Cement conference was held at the Adams Mark Hotel on the waterfront last year. He is working on a contract with the Adams Mark for a room rate of \$139 per night with an assumed attendance of 200 people. Says it will be hot – be ready. Will include TAPPI – excited about that.

### **2006 – ST. LOUIS, MO**

Jim Closson had to resign – don't have anyone or any city in mind at this point.

### **2007 – MILWAUKEE, WI**

Dave Rollay is assisting in a search for a chairman.

## **OLD BUSINESS**

Dave Rollay reported recommendations on next years interim meeting. Site alternatives explored included going back to Atlanta, coexist with TAPI in Chicago at the end of October, or picking an alternate location that is relatively

inexpensive to travel to. A show of hands indicated that 18 out of 44 present at the meeting had driven to Atlanta. When the 18 drivers were asked – only 4 indicated they would NOT fly to Chicago. Only 5 members indicated that they would be at TAPI. Mark Weaver had investigated air fares for Canadians to US destinations and had found Las Vegas, Salt Lake, Denver, St. Louis would be cheap. Mark indicated that for west coast based travelers, Atlanta is not ideal. A further suggestion was made to hold the next interim at the site of the next conference. Following all this debate and discussion – it was decided to have the next interim in Atlanta – and the vote on the following years interim site at the Charleston conference.

With regards to the day sequence for the interim meeting, a vote was taken with the following results:

Saturday/Sunday = 3  
Sunday/Monday = 24  
Monday/Tuesday = 9

Dave R reported on the Survey taken in Toronto – there were 51 responses and lots of suggestions all of which were passed on to the executive and to the future conference chairpersons. Overall the Toronto conference received high ratings.

Blake Lloyd reported that IEEE will host a permanent web site for us. He had intended to establish a permanent PPIC web/FTP site at his company – but has limited bandwidth available. A draft web site will be created for review at the Charleston conference.

## **NEW BUSINESS**

Charlie Canty Chairman of the adhoc committee on improving conference attendance reported on new conference format – Monday – Wednesday is the conference – Tuesday is a ½ day of conference and ½ day of committee meetings. Thursday will be tutorials. Will try it out in Victoria and in Jacksonville.

New chairs – Bucky Hammonds, PDS – Jim Williams TSSC, Duncan Rhodes – DCS, EMMC - ? .

Dave Rollay – interim meeting Oct 19, 20 – Atlanta – Weston at the airport. Based on the feedback from last meeting – using the Sunday / Monday schedule.

CBS is dissolved and merged into EMMC.

**THE MEETING WAS ADJOURNED AT 2:20 PM.**



**Appendix A: FULL COMMITTEE AGENDA**

**INTERIM MEETING  
WESTIN ATLANTA AIRPORT – ATLANTA, GA  
SUNDAY, OCTOBER 27, 2002  
1:00 PM**

- |   |                             |
|---|-----------------------------|
| 1 - Welcome & Introductions                       | Ron Simpson                 |
| 2 - Review/Approval of Minutes of 6/17/02 Meeting | Rory Johnson                |
| 3 - Executive Committee Report                    | Blake Lloyd                 |
| 4 - Toronto Conference Report                     | John Kay                    |
| 5 - Treasurers Report/Conference Audits           | Dave Durocher               |
| a - Toronto Audit Report                          |                             |
| 6 - Standing Subcommittee Reports:                |                             |
| a - Membership                                    | Alan Lowe                   |
| b - Mailing List                                  | John Kay                    |
| c - Publicity                                     | Ron Meihofner               |
| d - Paper Awards                                  | Laurie Cihlar               |
| e - PPIC Awards                                   | Russ Thrift                 |
| f - Fellows Nominations                           | Clayton Reid<br>Ron Simpson |
| 7 - Liaison Reports:                              |                             |
| a - PAPTEC (CPPA)                                 | Clayton Reid                |
| b - IEEE-IAS                                      | Clayton Reid                |
| c - TAPPI   | Burt Judson                 |
| d - IEEE - Standards Coordinating                 | Jim Daly                    |
| e - Electrical Safety Workshop                    | Larry Thomas                |
| 8 - Operating Subcommittee Reports:               |                             |
| a - EMMC  | Rhonda Banks                |
| b - PDS   | Bruce Graves                |
| c - TSSC  | Jim Williams                |
| d - DCS   | Bob Olsson                  |
| e - CBS   | John Thompson               |
| 10 - 2003 Charleston Conference Report            | Rhonda Banks                |
| 11 - 2003 Charleston Technical Program            | Rory Johnson                |
| 12 - Future Conferences:                          |                             |
| 2004 - Vancouver, BC                              | Mark Weaver                 |
| 2005 - Jacksonville, FL                           | Rich Butler                 |
| 2006 - St. Louis, MO                              | Jim Closson                 |
| 2007 - Milwaukee, WI                              | Dave Rollay                 |
| 13 - Old Business                                 |                             |
| a - Year 2003 interim meeting location and date   | Dave Rollay                 |
| 14 - New Business                                 |                             |
| a – Toronto Conference Survey Results             | Dave Rollay                 |

**Adjourn Full Committee Meeting approximately 3:30 PM!**



**APPENDIX B: EMMC SUBCOMMITTEE**

**EMMC SUBCOMMITTEE MEETING MINUTES**

**October 27, 2002 – Atlanta, Georgia**

**Meeting Date: October 27, 2002**

**Meeting Start: 8:00 AM**

**Meeting Adjourned: 11:30 AM**

**Recorded By: Rhonda Banks**

**Total Members: 21**

**Members Present: 8**  
Peter Baen  
Rhonda Banks  
Laurie Cihlar  
Dave Durocher  
Rory Johnson  
Burt Judson  
Russ Thrift  
Rick Watkins

**Visitors:** George Matto (from PDS Subcommittee)  
CBS Subcommittee

**Members Excused: 8**  
Del Decker  
Tim Hoy  
Larry Menche  
Robert Montgomery  
Frank Newman  
Roland Roberge  
Wayne Vinson  
Allen Watson

**Members Not Excused: 5**  
Ken Bruni  
Bruce Campbell  
Rich Carle  
Pete Dalpe  
Zafer Mohuiddin

**APPENDIX B**

**EMMC SUBCOMMITTEE**

**Paper Reviewer:** Larry Menche (Alternate: Dave Durocher)

**Introduction**

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

**Announcements**

The CBS subcommittee joined the EMMC subcommittee meeting today. Due to the lack of mill representation on the CBS subcommittee, a proposal to merge these two committees from this date forward will be made to the Executive committee.

All eligible members who are not senior members were encouraged to apply. Interested applicants should contact Jim Rooks.

**General Business**

Highlights of the Executive Committee Meeting were reported.

- Problems with sending meeting minutes via email will be addressed with testing the use of an IEEE website for postings. The results will be communicated at a later date by the Executive committee.
- Toronto conference results were discussed.
- Membership numbers were reviewed.
- Future conference sites were discussed.
- Revisions have been made to the Author's Guide to address commercialization.

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

**Meritorious Award Nominees**

Meritorious Service: Frank Newman

Meritorious Engineering: Pat Link

**Future Papers**

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



**FUTURE PAPERS**

<b>Title</b>	<b>Author1</b>	<b>Sponsor1</b>	<b>Reviewer1</b>	<b>Reviewer2</b>	<b>Status</b>
CASE HISTORY OF MILLWIDE ENERGY ASSESSMENT	TOM TRUEB	RICK WATKINS	RHONDA BANKS	BURT JUDSON	A
CASE STUDY OF FIELD BUS INSTALLATION	SCOTT JOHNSON	RORY JOHNSON	BURT JUDSON	TIM HOY	B
CIRCUIT BREAKER INTERRUPTING AND SHORT TIME RATING	DAVID ROYBAL	DAVE DUROCHER	ROBERT MONTGOMERY	LARRY MENCHE	B
ELECTRICAL SAFETY TRAINING: NEW CODES AND STANDARDS DRIVE THE NEED FOR INDUSTRIAL PROCESS FACILITIES TO UPGRADE MAINTENANCE TRA	MICHAEL SPRAGUE	DAVE DUROCHER	ROBERT MONTGOMERY	WAYNE VINSON	B
ENERGY SAVING REBATE OPPORTUNITIES FOR MILL PROJECTS	JOHN GREENE	BURT JUDSON	DEL DECKER	RHONDA BANKS	A
ESTIMATION OF INDUCTION MOTOR PARAMETERS BY A GENETIC ALGORITHM	HARRY H. WEATHERFORD	RHONDA BANKS	ROBERT MONTGOMERY	LARRY MENCHE	A
FIELD COMMISSIONING & MAINTENANCE OF SMALL POWER LIQUID FILLED TRANSFORMERS	TOMMY NUNN	DAVE DUROCHER	RICK WATKINS	DEL DECKER	B
FUTURE CONTROL TECHNOLOGIES AND MOTOR DIAGNOSTICS AND SYSTEM WELLNESS	GERRY FELDMIEIER	DAVE DUROCHER	RICK WATSON	RHONDA BANKS	B
IMPACT OF TEMPERED WATER IN SAFETY SHOWER AND EYEWASH UNIT ON ELECTRICAL SYSTEMS IN PULP & PAPER MILLS	PETER BAEN	BURT JUDSON	RHONDA BANKS	RICK WATKINS	B
INTEGRATING GLOBAL ELECTRICAL DESIGN PRACTICES IN HAZARDOUS LOOCATIONS-A PHILOSOPHY CHANGE	MARTY COLE	PETER BAEN	TIM HOY	ROBERT MONTGOMERY	A
INTERCONNECTION REQUIREMENTS FOR COGENERATION		RORY JOHNSON			D
NEC ENFORCEMENT OF FOREIGN MADE EQUIPMENT	BILL FISKE	LARRY MENCHE	RORY JOHNSON	DAVE DUROCHER	A
OPTIMAL INDUCTION MOTOR BEARING SELECTION	MARK HODOWANEC	RORY JOHNSON	RHONDA BANKS	BURT JUDSON	B

**APPENDIX B****EMMC SUBCOMMITTEE**

OPTIMIZING MAINTENANCE BY INTEGRATING TECHNOLOGIES AND PROCESS CHANGE	AUGIE DIGIOVANNI	TOM GRUDKOWSKI	DAVE DUROCHER	WAYNE VINSON	C
PROCESS CONTROL PERFORMANCE MEASUREMENT SOLUTION YIELDS IMPROVED BUSINESS PERFORMANCE	LEONCIO ESTEVEZ-REYES	RORY JOHNSON	ALLEN WATSON	BURT JUDSON	A
PROPER SELECTION OF INDUCTION MOTOR TESTS	WILLIAM FINLEY	RORY JOHNSON	RHONDA BANKS	BURT JUDSON	A
RELIABILITY ASPECTS OF BRUSHLESS SWITCH RELUCTANCE TECHNOLOGY	TIM ALBERS	TOM GRUDKOWSKI	ROLAND ROBERGE	BURT JUDSON	C
ROOM CONSTRUCTION AND SEALING DESIGN STANDARDS FOR CORROSION PROTECTION	TED LENDIS	ROBERT MONTGOMERY	RORY JOHNSON	RHONDA BANKS	A
TOROIDAL COIL SOLUTIONS FOR AC INVERTER FED MOTOR BEARING CURRENTS		RORY JOHNSON			E
WHOLESALE POWER SALES OPPORTUNITIES FOR PULP & PAPER (FERC 888)	RUSS THRIFT(to pursue)	RICK WATKINS			E
WIRE AND CABLE "GOTCHAS"		GEORGE MATTO	RICK WATKINS	RUSS THRIFT	D



**APPENDIX C PDS SUBCOMMITTEE**  
**Power Distribution Systems**

**SUBCOMMITTEE**  
**INTERIM MEETING MINUTES**

October 27, 2002- Atlanta, GA

**Meeting Date:** October 27, 2002

**Meeting Start:** 8:00 AM                      **Meeting Adjourn:** 12:00 Noon

**Recorded by:** Bruce Graves & Bucky Hammonds

**Total Members:** 36                              **New Members**                      0

**Guest:** 2

**Members Present:** 11  
 Robert Adams                                      David Burrow  
 Jay Das    Bruce Graves  
 Bucky Hammonds                                  Jamie Lyles  
 Bob Moore    Cliff Normand  
 Ron Simpson                                        Bill Vilcheck  
 Alex Wu

**Members Excused:** 19  
 Terry Branch                                      Jim Closson  
 Don Deyo    Steve Dyrnes  
 Gus Henson                                        Shoaib Khan  
 John Levine                                        Doug Moody  
 Vernon Newbil                                    Bud Palmer  
 Elton Parker                                        Ed Reid  
 Rich Schaefer                                     Ted Sexton  
 Glenn Smith                                        Joe Morlino  
 Ajit Badat     Stan Merritt  
 CH Hudson

**Members Not Excused:** 6  
 Robert Beltz                                        Larry Pryor  
 Todd Robbins                                       Ray Smith  
 Charlie Toole                                       Charles Wood

**Guests:** 2  
 Roy Cosse     Tom Trueb

**Members Transferred:** 0

**Resignations:** 0

**Paper Reviewer:** Bucky Hammonds & Robert Adams (back up)

**Meritorious Award Nominees:** None received

**Conference Volunteers:** None needed at the interim meeting.

**Introduction**

Bruce Graves welcomed all present to the Atlanta Interim PDS Subcommittee Meeting. Each member and guest was asked to introduce themselves.

A list of the PDS members was circulated for updating and attendance. Updates have been forwarded to Alan Lowe.

Roy Cosse visited our subcommittee and expressed interest in joining and submitted a paper to the subcommittee for presentation at the next conference. Tom Trueb visited our subcommittee and expressed interest in joining and submitted a topic for a paper for the 2004 conference.

The committee has had no new resignations or transfers. The executive committee reports a membership of 122 members and 8 new members from the Toronto Conference.

**General Business**

Solicitations and recommendations for Meritorious Service Award and Meritorious Engineering Awards were requested. None were received.

Executive Committee Meeting Minutes were reviewed. All were reminded that the conference will be held in Charleston, SC in June of 2003. The dates for the conference are June 16 through 21.

Bruce Graves and Ron Simpson reviewed and discussed the importance of the paper sponsors to the success of our technical program. The sponsor is the key to getting the author's work to the technical program chairman. A copy of the 2003 Authors Guide will be distributed to all subcommittee members. See page 4 for the schedule of papers.

Tutorials were discussed. Bill Vilcheck advised that his Power Quality Monitoring Tutorial is prepared for the 2003 conference and the subcommittee agreed that it will be the primary tutorial sponsored by the PDS in the event the conference can not accommodate more than one from the PDS Subcommittee. Chuck Mozina with Beckwith advised Bruce Graves of his interest in presenting a Tutorial on Synchronous Generator Protection. The subcommittee discussed this and agreed that it will be the secondary Tutorial. Bruce advised that he will press the technical program chairman for the 2003 conference to consider two tutorials, especially in light of the technical paper content sponsored by the PDS Subcommittee.

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

Cliff Normand advised that the IAS will be presenting papers regarding the Digital Relay Testing and Commissioning and suggested that we consider publishing their paper. In a follow-up conversation with Chuck Mozina, he advised that he is the chairman of the IAS working group for this topic and would be interested in working with PDS on presenting this paper in the future.

The TSSC Subcommittee Chairman Jim Williams updated our subcommittee on their proposed 2003 conference papers and tutorial. The TSSC is proposing a Thursday Morning Mini Safety Tutorial and would present some of the papers included in the Electrical Safety Workshop.

**APPENDIX C**

**PDS SUBCOMMITTEE**

The subcommittee talked about NFPA 70 E and the new IEEE Standard that has been published regarding Electrical Safety. There is a great deal of interest in this subject in the PDS Subcommittee as well as in the TSSC Subcommittee.

**Future Papers**

NO.	Title	Author	Author2	Author3	Sponsor	Reviewer 1	Reviewer 2	Reviewer 3	Reviewer 4	Status	Year	Comments
2002-01	Transformer Specification: Costly Common Misconceptions	Roger A. Bengston			Ed Reid	Terry Branch	Dave Burrow	Robert Adams		C	2004	New Subject 2001, Author Advised He Could Not Present in 2003.
2002-05	Case Study of Electrical System Reliability and Upgrade Justification	Alex Wu	Jerry King	Yousin Tang	Robert Adams	Glenn Smith	Doug Moody	Steve Dyrnes		A	2005	Client Requested Delay Until Project Is Complete
2002-06	Disturbance Monitoring / Power Quality Monitoring 8 Hour Tutorial				Bill Vilcheck					A	2003 Tutorial	Outline In Hand & Instructors Identified TUTORIAL IDENTIFIED AS PRIME TUTORIAL FOR 2003 Conf.
2002-08	Over Current Protection for Energy Efficient Motors	Steven Dyrnes			Alex Wu	Doug Moody	Bruce Graves	Jay Das		C	2004	Author Advised would like to delay until 2004.
2003-01	<b>Number Left Blank and Papers Moved End Of List &amp; Re-Numbered</b>											
2003-02	Passive Filters - Potentialities and Pitfalls	Jay Das			Robert Adams	Cliff Normand	Vernon Newbill	Alex Wu		A	2003	Copies of paper given to reviewers.
2003-03	MV Generator Low-Resistance Grounding and Stator Ground Fault Damage	Alex Wu	Yousin Tang	Dale Finney	Cliff Normand	Jay Das	Bob Moore	Vernon Newbill		A	2003	Paper Draft presented @ Interim Meeting and Distributed to reviewers
2003-04	Arc Resistant Switchgear Application and Installation				Jim Closson					D	2004	Topic Delayed
2003-05	Case Study in Generator Brush Changing Procedures				Doug Moody	Bill Vilcheck	Jamie Lyles	Gus Henson		D	2004	Moved to 2004.
2003-06	Mitigating Capacitor Switching Over-voltages	Jay Das			Rich Scheafer	Jamie Lyles	Bill Vilcheck	Gus Henson		C	2004	Draft To be Presented @ 2003 Subcommittee Meeting
2003-07	Follow -Up Digital Relay Testing				Jim Closson					D	2004 ??	Jim Closson to find author. Could be a panel.
2003-08	Even Harmonic Resonance - An Unusual Problem	Paul Buddingh			Alex Wu	Shoaib Kahn	Jay Das	Ed Sexton		A	2003	Paper On Hand & has been presented @ PCIC. Need release from PCIC for presenting @ PPIC
2003-09 Paper	Effects of Utility Deregulation - What Does This Mean to Industry?	Mark Weaver	Paul Buddingh		Alex Wu	Jay Das	Robert Adams	Bill Vilcheck		C	2003	Paper Draft Promised Complete by Nov. 20, 2002

**APPENDIX C**

**PDS SUBCOMMITTEE**

2003-09 Panel	Panel Discussion on The Effects of Utility Deregulation - What Does This Mean to Industry?	Mark Weaver Moderator			Alex Wu					B	2003 Panel	Paper and Panel Suggested for Friday Morning Presentation
NO.	Title	Author	Author2	Author3	Sponsor	Reviewer 1	Reviewer 2	Reviewer 3	Reviewer 4	Status	Year	Comments
2003-10	Hybrid Grounding System for Low and Medium Voltage Power Systems											Topic Dropped Due to Coverage by other Proposed Papers
2003-11	Flash Hazard Fault Calculations	Shoab Kahn			Ed Sexton	Jim Closson	Alex Wu	Cliff Normand	Doug Moody	C	2004	Author advised a delay until 2004
2003-12	Transient Stability Study - Case Study - Small Generator Connected to Weak Electrical System	Jay Das			Rich Schaefer	Alex Wu	Terry Branch	Doug Moody	Bob Moore	C	2004	Author advised a delay until 2004
2003-13	NERC (National Electrical Regulatory Council) Policies Affecting the Power Industry	Rich Scheafer			Bill Closson	Jay Das	Vernon Newbill	Alex Wu		A	2003	Paper Draft presented @ Interim Meeting and Distributed to reviewers
2003-14	IEEE Tutorial on the Protection of Synchronous Generators - 8 Hour Tutorial	Chuck Mozina			Bruce Graves					A	2003 Tutorial I	Course Notes In Hand & Instructor Identified TUTORIAL IDENTIFIED AS SECONDARY TUTORIAL FOR 2003 Conf.
2003-15	Unintended Consequences of Variable Frequency Drives	Tom Trueb			Bruce Graves					C	2004	
2003-16	Grounding and Ground Fault Protection of Multiple Generator Installations on Medium-Voltage Industrial and Commercial Power Systems Part 1 - The Problem Defined	IEEE/IAS Working Group			Bill Viilcheck	Don Deyo	Terry Branch	Alex Wu		A	2003	Paper In Hand
2003-17	Grounding and Ground Fault Protection of Multiple Generator Installations on Medium-Voltage Industrial and Commercial Power Systems Part 2 - Grounding Methods	IEEE/IAS Working Group			Bill Viilcheck	Don Deyo	Terry Branch	Alex Wu		A	2003	Paper In Hand
2003-18	Grounding and Ground Fault Protection of Multiple Generator Installations on Medium-Voltage Industrial and Commercial Power Systems Part 3 - Protection Methods	IEEE/IAS Working Group			Bill Viilcheck	Don Deyo	Terry Branch	Alex Wu		A	2003	Paper In Hand

**APPENDIX C**

**PDS SUBCOMMITTEE**

NO.	Title	Author	Author2	Author3	Sponsor	Reviewer 1	Reviewer 2	Reviewer 3	Reviewer 4	Status	Year	Comments
2003-19	Grounding and Ground Fault Protection of Multiple Generator Installations on Medium-Voltage Industrial and Commercial Power Systems Part 4 - Conclusion and Bibliography	IEEE/IAS Working Group			Bill Vilcheck	Don Deyo	Terry Branch	Alex Wu		A	2003	Paper In Hand
2003-20	Application of Hybrid Grounding Scheme to Paper Mill 13.8 kV Generator	Doug Moody	David Shipp		Bill Vilcheck	Cliff Normand	Jay Das	Alex Wu		B	2003	Abstract Presented @ Interim Meeting
2003-21	Is My UPS Distribution System Coordinated	Roy Cosse	James Shambarger		Jay Das	Dave Burrow	Bob Moore	Alex Wu		A	2003	Paper Draft presented @ Interim Meeting and Distributed to reviewers
2003-22	Advances in the Measurement of Partial Discharges - Continuous or Periodic Measurements	Dave Wilcox	Alexander Golubev	Claude Kane	Jamie Lyles	Jay Das	Robert Adams	Cliff Normand		A	2003	Paper Draft presented @ Interim Meeting and Distributed to reviewers
2004-00	Generator Field Ground Fault Detection									C	2004 ??	
2004-01	Smart Substations	Roy Cosse			Robert Adams					C	2004	Review @ June Conference
2004-02	Digital Relay Testing	IEEE/IAS Working Group			Cliff Normand					C	2004	
			<b>Paper</b>	<b>Tally</b>	<b>Paper Status</b>	<b>Year 2003</b>	<b>Year 2004</b>	<b>Year 2005</b>				
					<b>A</b>	<b>10</b>	<b>0</b>	<b>1</b>				
Paper Status					<b>B</b>	<b>1</b>	<b>0</b>	<b>0</b>				
A -	Subject, Sponsor, Author, Abstract, Rough Draft				<b>C</b>	<b>1</b>	<b>8</b>	<b>0</b>				
B -	Subject, Sponsor, Author, Abstract				<b>D</b>	<b>0</b>	<b>3</b>	<b>0</b>				
C -	Subject, Sponsor, Author				<b>E</b>	<b>0</b>	<b>1</b>	<b>0</b>				
D -	Subject, Sponsor				Tutorial	<b>2</b>	<b>0</b>	<b>0</b>				
E -	Subject				Panel	<b>1</b>	<b>0</b>	<b>0</b>				

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

Meeting Date: October 27, 2002

Recorded by: Jim Williams

Members Present: Tim Cmko Jim Williams  
Roger Jones Clayton Reid  
Ralph Shead

Total: 5

Excused Absence Mike Glenn  
Bob Jordan  
Steve Pittman  
Paul Rouillier  
Lanny Floyd

Total: 5

Unexcused Absence: Gary Wetzel  
Malcolm Steeves  
Mike Poynter  
Jim Daly  
Jim Harris

Total: 5

Guests:

Total Members: 15

Distribution: Subcommittee Members, Guests.

**Introductions**

The meeting was called to order by Jim Williams.

## **APPENDIX D**

## **TSSC SUBCOMMITTEE**

All attendees introduced themselves.  
An attendance roster was circulated for everyone to sign.

### **Announcements & General Business**

1. Discussion as to what to do with membership and attendance. Goal is to bring one guest to annual meeting.
2. To increase participation would some method of electronic web communication for involving the mill people.
3. Look at the length of the conference, 2 to 3 days so mill people can get back for 2 days in the plant. Mon, Tues papers, Wed seminars, unusual failures banquet Wed nite, back to the plant Thurs.
- 4 How to best inform, advertising, top bottom up or top down?
5. Need to way to get more mill attendees.
6. Recommend to the executive committee the awards group be expanded to include the Fellows to get a more involved approach.
7. Meritorious Engineering Award                      Roger Jones
8. Meritorious Service Award                              Frank Newman
9. 2003 Paper grader    Paul R.

### **Papers Status**

#### **2002**

1. NEC/CEC harmonization Jim Daly                      Ralph S-Tim C-Malcolm S
  2. IEEE standards past/present/future                      Clayt Reid
  3. PPE/Workshop Wed/Fri am                              Lanny F/Tim F take 1 session for presenting  
format for presenter-or Thurs am Electrical Safety Workshop-Arc Flash Workshop.
- Chairman for next two years Jim Williams





**FUTURE PAPERS**

- |                                       |                 |
|---------------------------------------|-----------------|
| 1. Guidelines for mill lockout system | 2004            |
| 2. Update on NFPA 70E                 | 2004            |
| 3. IEEE Test Std Switchgear           | check with Gary |
| 4. IEEE SCC 28                        | check / Jim D   |

**APPENDIX E DCS SUBCOMMITTEE**

**DRIVES AND CONTROLS SUBCOMMITTEE  
2002 MEETING MINUTES**

**NO REPORT**

**DCS SUBCOMMITTEE**  
**FUTURE PAPERS**

**NO REPORT**

**APPENDIX F      CBS SUBCOMMITTEE  
COMPUTER BASED SYSTEMS**

**SUBCOMMITTEE**

**OCTOBER 27, 2002 MEETING MINUTES**

**Meeting Date:**            October 27, 2002  
**Meeting Start:**            8:00 AM  
**Meeting Adjourn:**        11:30 AM  
**Recorded by:**            John C. Thompson/Laurie Cihlar

**Total Members:**        8  
**Members Present:**      3  
Kirk Armintor            Blake Lloyd                    John C. Thompson

**Members Excused:**      2  
Larry Thomas            Steve Trussell

**Members Not Excused:** 3  
Janet Flores              Stan Merritt                    Ajit Bapat

**Guests:**

**Paper Reviewer:**  
John C. Thompson with Steve Trussell as alternate

**Meritorious Award Nominees:**  
*Service – Frank Newman (Resume to be submitted by John C. Thompson), Engineering – Patrick Link (Resume to be submitted by John C. Thompson)*

**Conference Volunteers:**  
N/A

**Introduction**

John Thompson and Rhonda Banks welcomed everyone to the Interim Meeting and asked everyone to introduce himself or herself.

Minutes of the last meeting were accepted. The current Subcommittee Membership Directories were circulated and updated. The updates and attendance was forwarded to Alan Lowe.

**Announcements**

Summary of the 2002 June Conference and the Executive Committee meeting are found in the Interim Minutes. Since we did not have a mill person in attendance, per our Operating Guidelines, we met with the EMMC Subcommittee. Two paper mill people recently resigned from our subcommittee leaving only one on the roster. As a result I will be submitting a proposal to Alan Lowe to be presented to the Executive Committee at the Charleston, SC Conference in June 2003 to permanently merge the CBS Subcommittee with the EMMC Subcommittee. The submittal will include the name and scope of this new Subcommittee.

**General Business**

The paper/panel/tutorial summary was reviewed and recorded in an Access database. This database will be published in the Interim Meeting Minutes. New topics were discussed, assigned to sponsors and added to the list. We have identified our paper status to be 2A, 1B, 1C, 2D and 4E.

We are proposing one chair for EMMC and CBS, anticipating the merging of these two Subcommittees. The nominee hasn't been determined.

Please review the minutes from EMMC for remaining details of our joint Subcommittee Meeting.

**Future Papers**

See attached paper summary list.



**FUTURE PAPERS**

**NO REPORT**

**APPENDIX G MEMBERSHIP REPORT**

**MEMBERSHIP REPORT  
IEEE PULP & PAPER INDUSTRY COMMITTEE  
INTERIM MEETING  
September 27, 2002**

Our current committee membership is 122. Since the annual meeting in June we have had the following changes in membership:

Eight (8) new members:

- Kirk Armintor
- Ajit Bapat
- Terry Branch
- Lanny Floyd
- Bill Green
- Bob Moore
- Craig Pinto
- Todd Robbins

One (1) member, Bob Finke, has passed away.

Three (3) applications are pending.

- Rob Duffton, Rockwell Automation
- Tim Hoy, Universal Dynamics LTD
- Gary Wetzel, S&C Electric Company

At the annual meeting in June we had 69 members present, 18 members requested excused absences and 26 had unexcused absences.

Addendum to report given at the interim meeting: At the interim meeting we had 42 members present, 48 members requested excused absences and 32 had unexcused absences.

Report submitted by Alan Lowe, Membership Chairman.



## APPENDIX G

## MEMBERSHIP REPORT

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## APPENDIX G

## MEMBERSHIP REPORT

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## APPENDIX G

## MEMBERSHIP REPORT

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## APPENDIX G

## MEMBERSHIP REPORT

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## APPENDIX G

## MEMBERSHIP REPORT

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## APPENDIX G

## MEMBERSHIP REPORT

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## APPENDIX G

## MEMBERSHIP REPORT

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## APPENDIX G

## MEMBERSHIP REPORT

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## APPENDIX G

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## APPENDIX G

## MEMBERSHIP REPORT

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## APPENDIX G

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## APPENDIX H PAPER AWARDS AND PUBLICATIONS

### Paper Awards Report 2002 IEEE PPIC Interim Meeting October 27, 2002

#### I. Prize Papers from the 2002 Conference

First Place	“Motor Temperature Considerations for Pulp and Paper Mill Applications” Authors: Tim Albers, Austin Bonnett
Second Place	“Mill Benefits from Upgrading Generator Protective Relaying” Authors: Charles Mozina, Douglas Moody
Best Mill Paper	“A Lime Kiln Drive from DC to AC” Author: Cameron Carr

#### II. Paper Publications from the 2001 Conference:

Publication	Submitted	Published to Date
IEEE Transactions on Industrial Applications	17	10
IAS Magazine	8	5

#### III. Paper Publication Submittals from the 2002 Conference

- 8 papers were submitted for the *IEEE Transactions on Industrial Applications* publication.
- 11 papers were submitted for *IAS Magazine* publication.
- All the papers submitted for *IAS Magazine* are on the calendar for 2003 publication.
- (10 papers and 1 guest editorial)