



INDUSTRY APPLICATIONS SOCIETY

PULP & PAPER INDUSTRY COMMITTEE

MINUTES of the

FULL COMMITTEE

MEETING



2003 INTERIM COMMITTEE MEETING

Atlanta, Georgia

October 20, 2003

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

OCTOBER 20, 2003

WELCOME AND INTRODUCTIONS

Ron Simpson called the meeting to order at 1:01 PM. He welcomed everyone to Atlanta 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.

SECRETARY'S REPORT

Blake Lloyd reported that the full committee minutes were sent out on 9/23/2003 7:02 AM. This was a bit later than they should have been and at the Executive meeting it was resolved that the subcommittee chairpersons would have their minutes to the Secretary within 2 weeks of the meeting and that the Secretary would have the minutes assembled and issued within 2 weeks of that. A permanent web site will be used to distribute the minutes from now on.

EXECUTIVE COMMITTEE REPORT

Blake Lloyd reported that 16 members were in attendance at the Executive Committee meeting. The meeting started at 6PM Sunday evening and adjourned at about 8:30PM. Ron Simpson as chairman had significantly changed the format of the executive meeting to make the discussion more issues and steering related. There was a lot of discussion with regards to the initiatives being applied to the format for the Victoria conference.

2003 CHARLESTON CONFERENCE REPORT

Rhonda Banks reported the following conference attendance for the Charleston conference: 143 attendees, 49 guests, 109 attended the social, with a room pickup of 79% (the target was 90%). Initially the hotel penalty was to be \$6K which was negotiated down to \$3K which will leave the conference with a small surplus. An audit of the conference will be done when the final checks have cleared.

TREASURER REPORT/CONFERENCE AUDITS

Dave Durocher reported that all past conferences (except for Charleston) have been audited and are closed.

STANDING SUBCOMMITTEE REPORTS

MEMBERSHIP

Our current committee membership is 111. Since the annual meeting in June we have had the following changes in membership, five (5) new members, four (4) members have retired, one (1) member passed away prior to the annual meeting and twelve (12) members have been dropped for lack of participation: A full report is given in the Appendix.

MAILING LIST

John Kay reported that the list was updated and a revised list has been sent to the Victoria Conference for their use.

PUBLICITY

Ron Meihofner was absent but reported that the publicity release on the 2003 Conference held in Charleston, SC on June 16-20 at the Francis Marion Hotel will be published in the IEEE Industry Applications Magazine's January/February

2004 issue. Announcements for the 2004 Conference to be held in Victoria, British Columbia on June 27-July 1, 2004 will be sent to the various trade magazines in January.

PAPER AWARDS AND PUBLICATIONS

Laurie Cihlar reported that we continue to be very successful with papers submitted to transactions and the IAS Magazine. Details are given in the Appendix.

Sponsors of papers which have been previously presented in another forum are cautioned to ensure that this information accompanies the paper and that the paper awards and publication person is aware of this. Such papers should be acknowledged as such presented elsewhere in our proceedings, and should not be submitted twice to IAS. Such papers are eligible for awards at our conference.

The definition of a "Mill Paper" for awards was clarified and is a paper with ONLY mill authors on it. Should no pure mill papers be available at a particular conference, a paper including a mill author and others will be considered for the Best Mill Paper award.

PPIC AWARDS

Russ Thrift urged everyone to be thinking about candidates deserving of the Engineering and Service Award. He would like subcommittee chairs to use the form in the Operating Guide, along with any other pertinent information available from a candidates resume and peers.

FELLOWS NOMINATIONS

Clayton Reid reported that he is working on an application for Ron Simpson for IEEE Fellow and hopes to have it completed for March.

Liaison Reports

XFOR

John Kay reported on XFOR, which is the worlds largest exhibition in pulp and paper plus a 3 day technical conference that was held in Montreal and was a good success. The next XFOR will be during the week of January 26 in Montreal next year.

IEEE/IAS

Clayton Reid reported on the IAS conference held at Salt Lake city which was again this year at about 650 attendees. Clayton is also nominating John Holmquist for a technical achievement award for the IAS.

TAPPI

Burt Judson reported on TAPPI. Their PCE&I division most closely parallels our group and their Electrical engineering committee would like to hold a joint conference in Jacksonville in 05. Burt and Rory will pursue an investigation of this option. The next TAPPI technical conference is in May 3-5 in Atlanta.

IEEE - STANDARDS COORDINATING

Jim Daily continues to monitor IEEE standard changes that might effect our industry.

OPERATING SUBCOMMITTEE REPORTS

Detailed reports from the 4 standing subcommittees are appended. Below is a summary of the papers and their rankings at the time of this meeting.

Rank / Subcommittee	A	B	C	D	E	Tutorials	Panels
DCS	12	11	6	1	1	1(2005)	0
EMMC	7	3	4	1	10	1	1
PDS	10	5	4	1	0	1(2005)	0
TSSC	0	3	3	0	0	0	0
Total	29	22	17	3	11	3	1(2005)
2003 (conf)	14	10	21	8	8	0	2
2002 (conf)	15	8	18	8	11	3	2
2002 (interim)	26	13	9	9	9	4	2

2004 VICTORIA CONFERENCE REPORT

Mark Weaver reported on progress for the Victoria Conference. Declining attendance has been an issue – and the local committee is trying a large number of initiatives aimed at curbing the current trend. They have is important– the have produced a snazzy brochure hand out brochure and encourage members who call on mills to hand these out. Packets of 50 were distributed to those at the meeting that thought they could distribute them. A PDF version is also available at the conference web site www.pulppaper.org. The local committee would like to remind members to get the word out – the conference is a week later than normal (ie not fathers day!) – and conference technical presentations start Monday. Monday and Tuesday are open for Vendor events. This is the 50th anniversary of the conference and hopefully a very successful one.

2004 VICTORIA TECHNICAL PROGRAM

Rory Johnson reported on the upcoming technical program. The authors guide will undergo some revisions to clear up confusion on formatting in Word, instructions on papers presented elsewhere, and the visual presentation rules for authors to get their presentations to Duncan Rhodes before or during the conference. This revised guide will be sent out by the end of October.

Rory has added some new forms and would like to use an Excel spreadsheet for subcommittee chairpersons and sponsors to use for paper tracking and reviews.

FUTURE CONFERENCES

2005 – JACKSONVILLE, FL

Rich Butler reported that in 2005 the PPIC conference is on for Jacksonville, FL June 20 to the 24. The hotel is the Adams Mark Hotel on the waterfront which is one of the anchor hotels for the super bowl this year. He has contracted for 650 room nights at the hotel. The local committee is set up, and the local IEEE chapter involved. There may also be an opportunity to cooperate with TAPPI on a joint meeting.

2006 – MILWAUKEE, WI

Duncan Rhodes is in the process of forming a committee for this conference. He solicited input on the local – either Milwaukee proper or Appleton which would be more expensive to get to – but cheaper on a the room rate.

2007 – Texas

Various sites in Texas are under consideration including Houston, Dallas, and San Antonio.

OLD BUSINESS

Dave Rollay reported recommendations on next years interim meeting. Site alternatives explored included going back to Atlanta, coexist with TAPPI, or going to Jacksonville where the 2005 conference will be held. Dave will do a survey before the Victoria conference. Obviously those in the west have a concern about another east coast interim meeting.

NEW BUSINESS

.Dave R reported on the Survey taken in Charleston – there were 35 responses and lots of suggestions all of which were passed on to the executive and to the Victoria conference chairpersons. Overall the Charleston conference received the highest rating for the 6 years that these statistics have been collected..

Blake Lloyd reported that permanent committee web site is www.pulpandpapercommittee.com and that this site can be used as a permanent archive and repository for committee information.

THE MEETING WAS ADJOURNED (ONTIME) AT 3:24 PM.

Appendix A: FULL COMMITTEE AGENDA

WESTIN ATLANTA AIRPORT – ATLANTA, GA

MONDAY, OCTOBER 20, 2003

1:00 PM

- | | |
|---|-----------------|
| 1 - Welcome & Introductions | Ron Simpson |
| 2 - Review/Approval of Minutes of 6/16/03 Meeting | Rory Johnson |
| 3 - Executive Committee Report | Blake Lloyd |
| 4 - Charleston Conference Report | Rhonda Banks |
| 5 - Treasurers Report/Conference Audits | Dave Durocher |
| a - Charleston 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 |
| 7 - Liaison Reports: | |
| a - PAPTEC (CPPA) | Clayton Reid |
| b - IEEE-IAS | Clayton Reid |
| c - TAPPI | Burt Judson |
| d - IEEE - Standards Coordinating | Jim Daly |
| 8 - Operating Subcommittee Reports: | |
| a - EMMC | Lawrence Menche |
| b - PDS | Edwin Hammonds |
| c - TSSC | Jim Williams |
| d - DCS | Duncan Rhodes |
| 10 - 2004 Victoria Conference Report | Mark Weaver |
| 11 - 2004 Victoria Technical Program | Rory Johnson |
| 12 - Future Conferences: | |
| 2005 - Jacksonville, FL | Rich Butler |
| 2006 - St. Louis, MO | Jim Closson |
| 2007 - Milwaukee, WI | Dave Rollay |
| 13 - Old Business | |
| a - Year 2004 interim meeting location and date | Dave Rollay |
| 14 - New Business | |
| a – Charleston Conference Survey Results | Dave Rollay |

Adjourn Full Committee Meeting approximately 3:30 PM!

APPENDIX B: EMMC SUBCOMMITTEE**EMMC SUBCOMMITTEE MEETING MINUTES
October 20, 2003 Atlanta, GA**

Meeting Date: October 20, 2003

Meeting Start: 8:05 a.m.

Meeting Adjourned: 11:55 a.m.

Recorded By: Larry Menche/Rory Johnson

Total Members: 24

Members Present: 10
Rhonda Banks Blake Lloyd
Laurie Cihlar Larry Menche
Dave Durocher Russ Thrift
Rory Johnson Rick Watkins
Bert Judson Allen Watson

Visitors: 0

Members Excused: 5
Peter Baen
Del Decker
Robert Montgomery
Frank Newman
George Matto

Members Not Excused: 10
Kirk Armintor Stan Merritt
Ajit Bapat Rick Carle
Roly Roberge Janet Flores
Larry Thomas Tim Hoy
Steven Trussell

2004 Paper Reviewer: Dave Durocher
Back-up Reviewer: Blake Lloyd

Introduction

Introductions were made and a list of the EMMC/CBS was circulated for attendance.

General Business

Highlights of the Executive Committee Meeting were reported.

- Blake Lloyd has the permanent committee website running.
www.pulpandpapercommittee.com
- A website has been established for the conferences:
www.pulpandpaper.org
- There is an investigation into the possibility of combining the TAPPI PCE&I conference with our conference in Jacksonville, Florida.

New Business

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

Future Papers

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

FUTURE PAPERS

Number	Subcommittee	Title	A	B	C	D	E	Year
2002-2	EMMC/CBS	CIRCUIT BREAKER INTERRUPTING AND SHORT TIME RATING	1					2004
2002-3	EMMC/CBS	UNDERSTANDING ARC FLASH HAZARDS		1				2004
2002-4	EMMC/CBS	ENERGY SAVING REBATE OPPORTUNITIES FOR MILL PROJECTS	1					2004
2002-5	EMMC/CBS	FIELD COMMISSIONING & MAINTENANCE OF SMALL POWER LIQUID FILLED TRANSFORMERS	1					2004
2002-6	EMMC/CBS	IMPACT OF TEMPERED WATER IN SAFETY SHOWER AND EYEWASH UNIT ON ELECTRICAL SYSTEMS IN PULP & PAPER MILLS	1					2004
2002-7	EMMC/CBS	INTEGRATING GLOBAL ELECTRICAL DESIGN PRACTICES IN HAZARDOUS LOCATIONS -A PHILOSOPHY CHANGE	1					2004
2002-8	EMMC/CBS	INTERCONNECTION REQUIREMENTS FOR COGENERATION					1	2004
2002-9	EMMC/CBS	OPTIMIZING MAINTENANCE BY INTEGRATING TECHNOLOGIES AND PROCESS CHANGE				1		2004
2002-10	EMMC/CBS	RELIABILITY ASPECTS OF BRUSHLESS SWITCH RELUCTANCE TECHNOLOGY				1		2005
2002-11	EMMC/CBS	TOROIDAL COIL SOLUTIONS FOR AC INVERTER FED MOTOR BEARING CURRENTS				1		2004
2002-12	EMMC/CBS	WHOLESALE POWER SALES OPPORTUNITIES FOR PULP & PAPER (FERC 888)					1	2004
2002-13	EMMC/CBS	"WIRE AND CABLE "GOTCHAS"				1		2004
2003-1	EMMC/CBS	CASE HISTORY - STUDY OF HISTORIC AUTOTRANSFORMER FAILURES IN MV VACUUM CONTROLS SERVING LARGE MOTORS	1					2004
2003-2	EMMC/CBS	WIRELESS ETHERNET NETWORK for REMOTE CONTROL of a CHIP RECEIVING SYSTEM				1		2004
2003-3	EMMC/CBS	PANEL - WHERE CAN YOU CUT BACK ON MAINTENANCE AND WHERE SHOULD YOU NOT IN LEAN TIMES?						2005
2003-4	EMMC/CBS	NETWORK SECURITY					1	2004
2003-5	EMMC/CBS	CONTRACTED VS IN-HOUSE MAINTENANCE					1	2005
2003-6	EMMC/CBS	ASSURED ELECTRICAL MAINTENANCE VIA INTEGRATION of WELL-STUDIED MAINTENANCE PRACTICES				1		2004
2002-14	EMMC/CBS	GETTING AROUND THE NETWORKING NIGHTMARE					1	2004
2002-15	EMMC/CBS	AUTOMATED TIE LINE CONTROL					1	2004
2002-16	EMMC/CBS	COMPUTER BASED TRAINING					1	2005
2003-7	EMMC/CBS	PROTECTION of POWER EQUIPMENT from CORROSION in INDUSTRIAL ATMOSPHERE of PULP and PAPER PLANTS	1					2004
2003-8	EMMC/CBS	ENGINEERING PROJECT MANAGEMENT						2004
2003-9	EMMC/CBS	BENEFITS of USING a DATA HISTORIAN					1	2005
2003-10	EMMC/CBS	CASE HISTORY and ECONOMIC JUSTIFICATION of DRIVE SYSTEM UPGRADES to DIGITAL TECHNOLOGY					1	2004
2003-11	EMMC/CBS	APPLICATION of LIGHTNING PROTECTION at a PAPER MILL					1	2005
2003-12	EMMC/CBS	DOCUMENT MANAGEMENT SYSTEMS and THEIR USE					1	2005

APPENDIX C PDS SUBCOMMITTEE
Power Distribution Systems
INTERIM MEETING MINUTES
October 20, 2003- Atlanta, GA

Meeting Start: 8:00 AM

Recorded by: Bucky Hammonds

Attendance: 10 Members
Robert Adams
Roy Cosse
J C Das
Bruce Graves
Bucky Hammonds
John Levine
Jamie Lyles
Rich Schaefer
Ron Simpson
Alex Wu

Guests

Jon Steinmetz
Chuck Mozina

Excused Absence

Shoaib Khan
Doug Moody
Vernon Newbill
Bud Palmer
Ted Sexton
Glenn Smith
Bill Vilcheck

Unexcused Absence

Tommy Ashline
Robert Beltz
Terry Branch
David Burrow
Don Deyo
Stephen Dyrnes
Charles Hardy
Gus Henson
Claude Hudson
Bob Moore
Cliff Normand
Elton Parker
Ed Reid
Todd Robbins
Ray Smith

APPENDIX C

PDS SUBCOMMITTEE

Papers:	2004	2005
A	9	1
B	4	1
C	3	1
D	1	0
E	0	0
Tutorials	0	1

Paper graders are Rich Schaefer and Bruce Graves.

**APPENDIX D TSSC SUBCOMMITTEE
TRAINING, SAFETY, STANDARD AND CODES
SUBCOMMITTEE
MINUTES of MEETING**

**TRAINING, SAFETY, STANDARD AND CODES
SUBCOMMITTEE
IEEE, IAS PULP & PAPER COMMITTEE
INTERIM MTG ATLANTA
MINUTES of MEETING**

Meeting Date: October 20, 2003

Recorded by: Jim Williams

Members Present:	Ralph Shead	Roger Jones
	John Thompson	Jim Williams
	Jim Harris	Clayton Reid
	Jim Williams	

Total:

Excused Absence:	Jim Daly	Mike Glenn
	Tim Crnko	Paul Roullier
	Bob Jordan	

Total:

Unexcused Absence:	Lanny Floyd	Steve Pittman
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Total:

Total Members:

Distribution: Attendees and Sec

Introduction

The meeting was called to order by Jim Williams.
All attendees introduced themselves.
An attendance roster was circulated for everyone to sign.

Announcements & General Business

- review previous papers for suitability for present audience
- back to basics!!!! Ralph Bloomquist's Nuggets of Knowledge type of
- how to encourage more mill attendance, consider room costs for sticker-shock
- conference costs, how to contain so we can encourage attendance
- build contact list from mill contacts

Adjournment

The meeting was adjourned by the Chair.

FUTURE PAPERS

IEEE - IAS PULP AND PAPER COMMITTEE TRAINING, SAFETY, STANDARDS AND CODES SUBCOMMITTEE TECHNICAL PAPER SUMMARY AND STATUS									
YEAR	TITLE	AUTHOR(S) - Company	SPONSOR	REVIEWERS	Paper Status				
					A	B	C	D	E
2004 or 2005	Teaching Medium Voltage Maintenance "On the FLY"	Charles L. Canty Global Engr.	Bob Jordan	Jim Williams Jim Harris Roger Jones			X		
2004	What's new in NFPA 70E - 2004	Tim Crnko Bussmann	Bob Jordan	Clayton Reid John Thompson Ralph Shaad			X		
2004	5 KV non-shielded status	Jim Daly	Jim Harris	Ralph Shead Jim Williams Roger Jones	X				
2004	Protective Devices Main applied to Arc Flash	Dennis Neitzel	Tim Crnko	Roger Jones John Thompson Paul Roullier	X				
2004	MV Cable Installation Guide Pull or Push	TBA	Jim Harris	Jim Williams Ralph Shead Clayton Reid			X		
2005	Cable Testing lo freq or? field	TBA							

APPENDIX E DCS SUBCOMMITTEE**DRIVES AND CONTROLS SUBCOMMITTEE
2002 MEETING MINUTES****Meeting Date:** October 20, 2003 Atlanta Westin Hotel**Chairman:** Duncan Rhodes**Secretary:** John Malinowski**Antitrust Announcement:** See attached**Introduction:**

All members introduced themselves.

Announcements:

- The permanent IEEE PPIC Committee internal website is www.pulpandpapercommittee.com . Blake Lloyd will email members log-on & password info. There will be different levels of access depending on member's Committee functions. The Committee Operating Guide, Author's Guide, etc. are examples of data that will be retained on this website. This will allow easy access to up-to-date forms to everyone. Committee minutes to be posted here, rather than e-mailed out – Blake will e-mail a link.
- Victoria Conference website is www.pulppaper.org and is now operational. A nice pamphlet on the 50th annual PPIC Conference can be downloaded and e-mailed and/or printed to hand out. All members are encouraged to contact mill personnel to increase attendance.
- These websites will have cross-linked url's.
- Revised Authors Guides will be e-mailed soon by Rory Johnson.
- The Operating Guide states that a Mill person must be present to hold a meeting. This will need to be amended, since not enough mill personnel are able to travel, particularly to the interim meetings.

Old Business:

- Sponsors should make sure that the sub-committee chairmen get a copy of the author's data sheets.
- 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.
- It is also 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. Since the presentations are all in Power Point, they can be easily sent from the author to the sponsor.
- 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.
- See attached Paper Schedule.

New Business:

- Reviewed paper status. Three new papers were proposed – one was withdrawn. See attached Paper Schedule. 2004 = 11 A, 6 B, 1 C, & 1 E papers, plus 1 Tutorial.
- Some suggested topics for future papers are attached – please review & see if you can develop papers.
- Need members to increase Conference attendance by Mill personnel. Please become personally involved & bring at least one Mill person with you to Victoria!

APPENDIX E

DCS SUBCOMMITTEE

Total Members: 41
Members Present: 15
Members Excused: 20
Members Not Excused: 6
Guests: 0
Paper Grader: Alan Lowe (Duncan Rhodes is Alternate)
Meritorious Award Nominees: Passed to executive.
Conference Volunteers: Lighting – not needed per Mark Weaver
 2004 Audio/Video: Duncan Rhodes

IEEE/IAS Pulp & Paper – Tentative Technical Paper Schedule
 For
 Victoria, BC Conference
 June 27-July 1, 2004

October 20, 2003	Interim Meeting in Atlanta. Rough drafts available for reviewers.
November 3, 2003	Author kits to authors. Revised this year.
November 17, 2003	Reviews of rough draft due
January 12, 2004	Final draft to reviewers.
February 9, 2004	Review of final draft due. Copyright Transfer form, Author's Data & Release Form sent to Program Chair (Rory Johnson).
March 8, 2004	Final manuscript on 8½ x 11 dual column MS Word format, plus 6 copies (8½ x 11) sent to Program Chair
March 26, 2004	Manuscripts sent to printer.
April 19, 2004	Acknowledgment and schedule sent to Authors.
June 11, 2004	Bound copies of record sent to Conference Chair.
Conference June 27- July 1, 2004	Oral presentations in Victoria, BC. June 27-July 1, 2004 New Conference format – please review schedule closely !
July 19, 2004	Review forms for IAS Transactions papers due to Program Chair from Awards Chair.
August 2, 2004	Manuscripts for Transactions papers sent to IAS.

APPENDIX E

DCS SUBCOMMITTEE

Suggested topics for future presentations, taken from surveys at the Charleston Conference.

- Use of cost reduction methods in project design
- Panel on motor selection & maintenance
- How to keep mills running and improve uptime
- More on process controls – DCS
- Network security
- Future of HMI's and use
- Winder control update – state of the art
- More safety workshop papers
- More on economics of technical decisions
- More follow-up on generation grounding
- More case history on direct drive with Permanent Magnet (PM) synchronous motors
- More safety and arc flash hazards papers
- More on safety IEEE 1584 Codes & Standards
- Maintenance & Just in Time
- Arc Flash: Test of typical metal clad switchgear and impact of use of current limiting fuses
- Use of a first order thermal model in the protection of industrial rotating machinery
- Focus on User (Mill interest) paper
- Case history of projects implemented
- Practical problems and mitigation of harmonics, i.e. motor heating due to harmonics

Anti-Trust Statement:

From IEEE Website search, url is: <http://ieece802.org/16/antitrust/guidelines.html>

ANTITRUST

IEEE's policy prohibits any discussion which constitutes or implies an agreement or tacit understanding concerning:

- * prices, discount, or terms or conditions of sale;
- * profits, profit margins, or cost data;
- * market shares, sales territories, or markets;
- * allocation of customers, markets or territories
- * discriminatory licensing provisions;
- * standards or certification programs that unreasonably restrain trade;
- * selection, rejection, or termination of customers or supplier;
- * restricting territory or markets in which a company may resell products;
- * restricting the customers to whom a company may sell;
- * bidding or refraining bidding; or
- * any matter which restricts a participants independence in setting prices, establishing production and sales levels, choosing the markets in which the member operates and selects its customers and suppliers.

The principal provisions of the Sherman antitrust laws of the United States provide:

Every contract, combination in the form of trust or otherwise, or conspiracy, in restraint of trade or commerce among the several States, or with foreign nations, is declared to be illegal. Every person who shall make any contract or engage in any combination of conspiracy hereby declared to be illegal shall be deemed guilty of a felony, and, on conviction thereof, shall be punished by fine not exceeding \$10,000,000 if a corporation, or, if any other person, \$350,000, or by imprisonment not exceeding three years, or by both said punishments, in the discretion of the court.

Section 1, Sherman Act

APPENDIX E

DCS SUBCOMMITTEE

Further: Every person who shall monopolize, or attempt to monopolize, or combine or conspire with any other person or persons, to monopolize any part of the trade or commerce among the several States, or with foreign nations, shall be deemed guilty of a felony, and, on conviction thereof, shall be punished by fine not exceeding \$10,000,000 if a corporation, or, if any other person, \$350,000, or by imprisonment not exceeding three years, or by both said punishments, in the discretion of the court.
Section 2, Sherman Act

(Thomas C. Wettach, Legal Counsel to the IEEE-SA Standards Board, distributed the following material at an IEEE 802 tutorial on intellectual property (5 July 1999). It does not represent IEEE-SA policy. However, it may be construed to represent guidelines on the interpretation of the policy.)

FUTURE PAPERS

Number	Title	A	B	C	D	E	Year	Paper	Panel	Tutorial
1999-02	Synchronous Motor Field Protection and Control Applications					1	2004	1		
2000-12	Case History - Design Considerations of Drive System Installations	1					2005	1		
2001-04	Drive Application for Bridge Cranes		1				2004	1		
2002-01	Proper Drive Installation for Adjustable Speed Drives			1			2004	1		
2002-06	Understanding the New EASA Mechanical Repair Guideline	1					2004	1		
2002-09	The Impact of Voltage Utilization on AC Drives			1			2005	1		
2003-04	DC Motor Flashover Case History			1			2005	1		
2003-05	Bus Capacitor Life in AC Drives				1		2005	1		
2003-06	Replacement of Mechanical PIV's by AC Drives	1					2004	1		
2003-07	Mill Requirements for Drive System Trending	1					2004	1		
2003-09	Implementation Issues in Electronic Lineshafting Control		1				2004	1		
2003-11	Industrial CAT5 & Fiberoptic Cabling and Terminations for Drives & Controls						2004			
2003-12	Effects of Power System Transients on Drive Systems			1			2005	1		
2003-13	Introduction to API-547 Motor Specification 250 - 2000 HP			1			2005	1		
2003-14	Dryer Control Strategies			1			2005	1		
2004-01	Life Cycle Costing - AC vs DC Coordinated Drive Systems		1				2005	1		
2004-02	Techniques For Motor Starting	1					2004	1		
2004-03	Rogowski Coils	1					2005	1		
2004-04	Assessment of Non-Intrusive Motor Efficiency Estimators	1					2004	1		
2004-05	Thermal Derating of TEFC Motors Coated By Spilled Pulp	1					2004	1		
2004-06	Evaluation of Setting Criteria of Speed Loops in Paper Machine Drives	1					2004	1		
2004-07	Evaluation of Torsional Oscillations in Paper Machine Drives	1					2004	1		
2004-08	Developments in Anti-Friction Motor Bearings						2004			

APPENDIX E

DCS SUBCOMMITTEE

WITHDRAWN								
2004-09	Mill Motor Evaluation System	1				2004	1	
2004-10	Unique Safety Aspects of Permanent Magnet AC Motors	1				2004	1	
2004-11	A Unique Paper Machine Drive System Revamp	1				2004	1	
2004-12	Empirical Evaluation Of Heat Transfer through Finned Frames of TEFC Motors - Part 1	1				2005	1	
2004-13	Effect of Cable Geometry on Induced Zero Sequence Ground Currents with High Power Converters	1				2004	1	
2004-14	Changes in IEEE-841 and Where Might We Go From Here?	1				2004	1	
2004-15	Direct Drive Induction Motors		1			2004	1	
2004-16	Wire Protection in Drive Panels	1				2004	1	
2005-01	Energy Efficiency on Variable Speed Drive Systems	1				2005	1	
2005-02	Fault Event Forensics					2005		1
2005-03	Empirical Evaluation Of Heat Transfer through Finned Frames of TEFC Motors - Part 2	1				2005	1	

APPENDIX F MEMBERSHIP REPORT

**MEMBERSHIP REPORT
IEEE PULP & PAPER INDUSTRY COMMITTEE
INTERIM MEETING
OCTOBER 20, 2003**

Our current committee membership is 111. Since the annual meeting in June we have had the following changes in membership:

Five (5) new members.

- Tommy Ashline
- Richard Barker
- Steve Evon
- Charles Hardy
- Tim Hoy

Four (4) members have retired:

- Jim Closson
- S.P. Reddy
- Reno Tonsi
- Wayne Vincent

One (1) member passed away prior to the annual meeting:

- Mike Poynter

Twelve (12) members have been dropped for lack of participation:

- Joe Armstrong
- Ken Bruni
- Bruce Campbell
- Pete Dalpe
- Bob Giese
- Mike Jhaveri
- Dick Kane
- Zafer Mohuiddin
- Larry Pryor
- Malcolm Steeves
- Charlie Toole
- Charles Wood

There are no applications pending.

At the annual meeting we had 68 members present, 25 members requested excused absences and 30 had unexcused absences.

Report submitted by Alan Lowe, Membership Chairman.

APPENDIX F

MEMBERSHIP REPORT

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APPENDIX F

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APPENDIX F

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APPENDIX F

MEMBERSHIP REPORT

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MEMBERSHIP REPORT

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APPENDIX F

MEMBERSHIP REPORT

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APPENDIX F

MEMBERSHIP REPORT

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APPENDIX G PAPER AWARDS AND PUBLICATIONS

Paper Awards Presented at the 2003 Conference in Charleston

1st Place Paper

“Grounding and Ground Fault Protection of Multiple Generator Installations on Medium-Voltage Industrial and Commercial Power Systems Part 2: Grounding Methods”

An IEEE/IAS Working Group Report. Working Group Members: Prafulla Pillai (Chair), Alan Pierce, Bruce Bailey, Bruce Douglas, Charles Mozina, Clifford Normand, Daniel Love, David Shipp, Gerald Dalke, James R. Jones, Jay Fischer, Jim Bowen, Lorraine Padden, Louie Powell, Neil Nichols, Ralph Young, Norman T. Stringer.

2nd Place Paper

“Grounding and Ground Fault Protection of Multiple Generator Installations on Medium-Voltage Industrial and Commercial Power Systems Part 1: The Problem Defined”

An IEEE/IAS Working Group Report. Working Group Members: Prafulla Pillai (Chair), Alan Pierce, Bruce Bailey, Bruce Douglas, Charles Mozina, Clifford Normand, Daniel Love, David Shipp, Gerald Dalke, James R. Jones, Jay Fischer, Jim Bowen, Lorraine Padden, Louie Powell, Neil Nichols, Ralph Young, Norman T. Stringer.

Best Mill Paper

“Direct Drive – Opening a New Era in Many Applications”

Authors: Tapio Haring, Kimmo Forsman, Tero Huhtanen, Mark Zawadzki

Technical Paper Publication Status for 2002 Conference Papers

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

All 8 papers have been published

- **11 papers submitted to *IAS Magazine***

6 papers have been published.

1 paper was used as a guest editorial.

The others are on the schedule to be published in 2003.

Technical Paper Publication Status for 2003 Conference Papers

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

All 6 papers have been approved for publication. Authors have been contacted.

- **11 papers submitted to IAS magazine**

All papers are scheduled to be published in 2004.

[Technical Papers Selected for Publication from 2003 Conference in Charleston](#)

IAS Magazine

- *“Proper Selection of Induction Motor Tests”*
Authors: William R. Finley, Mark Hodowanec, Khursheed Hussain, John Larabee
- *“Impulse Testing and Turn Insulation Deterioration in Electric Motors”*
Authors: E. Wiedenbrug, G. Grey, J. Wilson
- *“Energy Efficiency of Variable Speed Drive Systems”*
Author: James A. Rooks, Alan K. Wallace
- *“Weyerhaeuser’s Process Control Performance Measurement System Yields Improved Business Performance”*
Authors: Leoncio Estevez-Reyes
- *“NERC Policies Affecting the Power Industry”*
Authors: David S. Kral, Richard C. Schaefer
- *“Efficiency Standards for Low Voltage Substation Transformers”*
Author: Stanley Y. Merritt, Stuart D. Chaitkin
- *“Future Control Technologies in Motor Diagnostics and System Wellness”*
Authors: David B. Durocher, Gerry R. Feldmeier
- *“Optimal Induction Motor Bearing Selection”*
Authors: William R. Finley, Mark M. Hodowanec
- *“Application of a Hybrid Grounding Scheme to a Paper Mill 13.8KV Generator”*
Authors: Doug Moody, Vernon Beachum, Tom Natali, William Vilcheck, David D. Shipp
- *“An Overview of the State-of-the-Art in Electrical Safety Technology, Work Practices and Management Systems”*
Authors: H. Landis Floyd, Joseph J. Andrews, Mary Capelli-Schellpfeffer, Danny P. Liggett, L. Bruce McClung, Thomas E. Neal, Lynn F. Saunders
- *“Even Harmonic Resonance – An Unusual Problem”*
Authors: Paul C. Buddingh

[Technical Papers Selected for Publication from 2003 Conference in Charleston](#)

Industry Application Transactions

- *“Practical Approach for Determining Motor Efficiency in the Field Using Calculated and Measured Values”*
Authors: John R. Holmquist, James A. Rooks, Michael E. Richter
- *“MV Generator Low-Resistance Grounding and Stator Ground Fault Damage”*
Authors: Alex Wu, Yousin Tang, Dale Finney
- *“Expert System for Integrated Control and Supervision of Dry-End Sections of Paper Machines”*
Authors: M. Anibal Valenzuela, John M. Bentley, Robert D. Lorenz
- *“Thermal Evaluation of TEFC Induction Motors Operating on Frequency Controlled Variable Speed Drives”*
Author: M. Anibal Valenzuela, Juan Tapia L., James A. Rooks
- *“Direct Drive – Opening a New Era in Many Applications”*
Authors: Tapio Haring, Kimmo Forsman, Tero Huhtanen, Mark Zawadski
- *“Passive Filters – Potentialities and Limitations”*
Authors: J.C. Das