



**INDUSTRY APPLICATIONS SOCIETY**

Pulp & Paper Industry Committee

MINUTES  
of the  
**FULL COMMITTEE**  
MEETING

1997 ANNUAL CONFERENCE  
CINCINNATI, OHIO  
JUNE 16, 1997

# IEEE/IAS PULP & PAPER INDUSTRY COMMITTEE

## FULL COMMITTEE MEETING

JUNE 16, 1996

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**IEEE/IAS PULP & PAPER INDUSTRY COMMITTEE  
ANNUAL MEETING**

**MINUTES OF THE FULL COMMITTEE**

**WESTIN HOTEL  
CINCINNATI, OHIO**

**MONDAY, JUNE 16, 1997**

**WELCOME & INTRODUCTIONS**

The meeting was called to order at 1:00 PM by Committee Chair Dave Rollay. A copy of the agenda is attached as **Appendix A**. After welcoming comments, Dave thanked every one for coming and asked everyone to stand and introduce themselves.

Dave announced that Claude Hudson had requested an excused absence from the meeting due to medical reasons. This will be the first conference that he has missed in the 42 year history of the PPIC.

**SECRETARY'S REPORT**

Secretary Roger Jones reported that an attendance sign up sheet (**Appendix B**) is being circulated. Included on the sheet is a space to include e-Mail addresses. The Secretary will continue to send the minutes via e-Mail and disk where possible. E-Mail costs nothing for transmittal, disk costs about \$2.00, and paper costs nearly \$6.00 for each set of minutes (Report included as **Appendix C**). Microsoft Word format will continue to be the platform.

John Thompson (Lake Superior Papers) raised the question of whether there were mills or organizations that didn't like disks coming in because of viruses. There were no other comments to this. The Secretary assured the committee that every possible precaution is taken to assure that no viruses are included with the minutes.

The minutes of the last Full Committee meeting of October 17, 1996 were distributed. Some were sent via e-Mail and the rest were sent on disk. It was moved and seconded that the minutes be approved as sent. The motion passed.

**EXECUTIVE COMMITTEE REPORT**

Secretary Roger Jones reported that the Executive Committee met Sunday night. The meeting convened at 6:00 PM and was presided over by Dave Rollay. Among the issues covered were a few updates to the Operating Guide. Relevant pages will accompany the minutes to this meeting. The Executive Committee voted to change the role of the Mailing list Coordinator with regards maintenance of the Mailing List. The other issues covered in the meeting will be included as parts of various reports to this meeting.

**CINCINNATI CONFERENCE REPORT**

Local Conference Committee Chair Bruce Campbell welcomed everyone to Cincinnati. He reported that there were 220 registered for the full conference, 18 single day attendees registered, 75 guests, 200 for the social evening Thursday night, 22 going on the tours, and 70 signed up for the tutorials.

The Author's room will be the Grant Room, and Blake will be available to load presentations, plus slide previewing equipment will be available for those with slides. He presented logistics for tours, social event, banquet, breakfast during the week, and conference reception.

**CINCINNATI TECHNICAL PROGRAM**

Program Chair Larry Thomas reported that the conference record is printed and is at the conference. He then reviewed the paper proposals after the interim meeting and contrasted this with the papers actually to be presented at

the conference. At the Interim Meeting, we left with a total of 16 “A” papers and 11 “B” papers for a total of 27 papers. We ended up with 27 papers for this conference, but they weren’t the same papers. We ended up with one panel where we had 2-3 panels proposed at the Interim Meeting. Additionally, there will be two short updates included in the conference program.

He then presented the following chart of the proposed papers for the 1998 conference in Portland, ME. This chart is a result of the subcommittee meetings this morning. The pressing need is for the members to work to get the Class B and C papers moved up to Class A before the Interim Meeting. This is a challenge for all the sponsors.

IEEE IAS PPIC PAPER TALLY FOR 1998							
	<i>Class A paper has a sponsor, a committed author, an abstract, and a rough draft in hand ready for review</i>						
	<i>Class B paper has a sponsor, a committed author, and an abstract in hand</i>						
	<i>Class C paper has a sponsor, and a committed author</i>						
	<i>Class D paper has a sponsor, and an identified author</i>						
	<i>Class E paper has a sponsor and we would like to find an author but no one has been contacted.</i>						
	<b>CLASSIFICATION</b>						
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	Tutorials	Panels
DCS	7	4	4	2	2		1
CBS	1	1	2	1	1		
TSSC	0	1		6	2		
EMMC	1	2	1	2	14		
PDS	2	5	3	1	1	2	
<b>TOTAL</b>	<b>11</b>	<b>13</b>	<b>10</b>	<b>12</b>	<b>20</b>	<b>2</b>	<b>1</b>

Larry presented a new version of the Author’s Guide which will be included with the minutes for this meeting. Included in this guide is an Author’s Data & Release Form that will provide the Program Chair and the Local Committee Chair the data that they need for inclusion of the paper in the conference program. It also provides the author with some much

needed data for preparation and presentation of the paper. Included in the guide is a schedule/calendar for the paper to be presented at the 1998 conference.

Jim Rooks asked about page formats for papers. Larry will send this information to the authors, plus this is included in the Author’s Guide. Jim Daly asked about what version of Power Point will be used for the presentations. We will always try to use the latest version. Del Ventruella asked for a template for the papers. Larry responded that this has been considered and that Blake Lloyd is working on a template that we will provide for authors in the future. It should be ready by the Interim Meeting.

### TREASURER’S REPORT

Treasurer Ron Simpson reported that the Vancouver conference had been closed out and the letter from IEEE headquarters is attached as **Appendix D**. The Birmingham conference is closed out including a \$735 audit charge from the IEEE. The Birmingham Conference Treasurer has sent the records to the IEEE for audit and there has been no response as yet. The conference cleared about \$30,000 with one third to the local section and the remainder to the IEEE.

### STANDING SUBCOMMITTEE REPORTS

- a) **Membership:** Membership Chair Alan Lowe encouraged everyone to check the Roster that is circulating and to update their addresses, etc. He encouraged those who were in the application process to check with him to confirm the status of their application. Alan reported that we had 166 members as of the Interim Meeting. Since then we have had one resignation and four who were dropped due to inactivity. The membership stands at 161. He re-stated that membership in the IEEE/IAS is essential for membership on the PPIC and applications will be available throughout the week. The latest spreadsheet of the attendance at the PPIC meetings is attached as **Appendix E**, and the latest Roster of the committee is attached as **Appendix F**.
- b) **Mailing List:** Bob Morse encouraged everyone to take the time to check and update the Mailing List books for any known changes. He reported that the mailing list database was updated by the Cincinnati Local Committee. A report is included as **Appendix G**. The proposed change to the responsibility of the Mailing List Chair referenced in the report was approved by the Executive Committee on Sunday night.

- c) **Publicity:** Secretary Roger Jones reported for Ron Meihofner that publicity releases for the Cincinnati conference have been mailed to the various trade magazines. Additionally, the editors were invited to send someone to cover our conference. This year, two have indicated they will attend: John DeDad of EC&M and John Hill of Intech. The full text of Ron's report is included as **Appendix H**. Included also is a listing of the magazines that are on our list. If anyone has additional suggestions, please contact Ron.
- d) **Awards:** Russ Thrift reported that several of the eight papers recommended to "Transactions" have been printed, and several of those that were submitted to "IAS Magazine" have been printed. He recognized this year's paper graders and thanked them for their efforts. Russ reported that Ray Crane is the recipient of the Meritorious Achievement Award this year, and urged everyone to congratulate Ray.
- e) **Fellows Nominations:** Clayt Reid reported that the nominations for John Holmquist, John Bentley, and Mike Glenn had been submitted. Clayt also asked for assistance in preparing future nominations.

## **LIAISON REPORTS**

- a) **TAPPI** Burt Judson reported that the Process Control Electrical & Instrumentation division spun off from the TAPPI Engineering Division three years ago and had their third conference this past March at the Sheraton Hotel in Birmingham, AL. The conference had a good technical program, several tutorials, and a trade show. Their Interim Meeting will be held during the Engineering Division meeting in Nashville, TN on October 6. Their next conference will be in Vancouver, BC in March.
- b) **CPPA** Clayt Reid reported that CPPA was meeting here during this conference and invited everyone to the CPPA conference at the end of January.
- c) **IEEE-IAS** Clayt Reid reported that the IEEE/IAS is the second fastest growing society in the IEEE. An IAS membership table will be set up outside the conference room during the entire conference. Also, Clayt presented a general overview of the difference between the "Transactions" magazine and the "IAS Magazine." The former is the preferred choice for professors whereas the latter is the choice of professionals (in industry).
- d) **IEEE Safety & Energy** (no report)
- e) **IEEE Standards Coordinating** Jim Daly reported that there were no new standards at this time. An item of general interest is that the IEEE Standards Department is now being required to be financially independent. One proposal is that volunteers will be welcome to work on standards, but to vote, you have to pay dues.

## **OPERATING SUBCOMMITTEE REPORTS**

- a) **EMMC** Rory Johnson reported for Rick Watkins that they had 18 attendees including 4 visitors, 6 excused absences, and 3 new applications. Dave Durocher was their representative for the Power Quality Ad-Hoc subcommittee and Rhonda Banks is paper reviewer for this conference.
- b) **PDS** Alex Wu reported 31 attendees, 20 members, 1 guest, and 5 excused absences. The subcommittee reports 7 firm papers for 1998 and 2 tutorials -- subjects are power quality and protection & coordination. They discussed the time allocated for presentations with no conclusions or recommendations. They also recommend that authors get 1 day free registration at the conference and 1 copy of the conference record.
- c) **TSSC** Robert Cotton reported that 13 of the subcommittee's 21 members attended the meeting this morning, 3 excused absences and 5 unexcused. Bob Jordan represented the subcommittee at the Power Quality Ad-Hoc meeting.
- d) **DCS** Mark Weaver reported that there were 37 attendees, 21 members, 16 guests, and 8 excused absence. They have 7 'A' papers including a panel discussion, 4 'B', 4 'C', and 2 'D' papers. John Thompson (Lake Superior Paper) attended the Power Quality Ad-Hoc meeting.
- e) **CBS** Reno Tonsi reported that there were 7 members present, 2 excused absences, 2 asked to join, and 1 transfer in from another subcommittee. They report 6 papers -- 1 'A', 1 'B', 2 'C', 1 'D', AND 1 'E'. They referred a paper topic to the TSSC for consideration. John Bertram attended the Power Quality Ad-Hoc meeting.
- f) **Power Quality (Ad-Hoc)** There were 6 attendees (100%), 6 of the papers planned are on power quality issues, and they plan a tutorial on power quality standards.
- g) **Motor Specifications/Recommended Practices (Ad-Hoc)** Austin Bonnett reported that this committee would meet later, after the full committee session. It is their recommendation that they discontinue the committee work

and have committee members work generally as a liaison to the Petrochemical committee and bring the information back to this committee.

## **FUTURE CONFERENCE SITES**

**Conference Sites:** Phillip Fransen reported on the selection of future conference sites.

1998	Portland, ME Sonesta & Holiday Inn	June 20 - 26	Tom Osborne
1999	Seattle, WA Four Seasons Olympic	June 21 - 25	Tom Shearer
2000	Atlanta, GA	June 19 - 23	Charlie Canty
2001	Portland, OR		George Matto
2002	Toronto, ON		John Kay
2003	(open)		
2004	(open - 50th anniversary of the PPIC)		

Phil is accepting suggestions for our 50th anniversary conference.

Tom Osborne reported that 9 members of their local committee are at this year's conference. They are learning the ropes and will also have some informational material available.

Tom Shearer is replacing Mark Weaver as local chair. He will be relying on Mark for assistance. They have a contract with the 4 Seasons.

George Matto is looking to book the Marriott downtown for the conference. They are looking to pick dates that do not involve volcanic eruptions or NBA Finals which have influenced past Portland conferences.

## **OLD BUSINESS**

**Young Engineers Group:** Clayt Reid reported on the organization of this group. The notes from the organizational meeting are attached as **Appendix M**. Laurie Cihlar was selected as the chair of this group.

**Continuing Education Requirements for Professional Engineers:** The Local Committee will provide sign-up sheets for Professional Development hours on a table in each conference session. Announcements will be made in each session to remind people to sign up. Certificates will be mailed after the conference to those who sign up.

**Wobbulator:** John Bentley will form a task group to investigate the peculiar characteristics of this device.

## **NEW BUSINESS**

Dave Rollay recognized the outgoing subcommittee chairs and thanked them for their efforts over the past 2 years.

The new Subcommittee Chairs (effective July 1) are as follows: EMMC - Rory Johnson, Willamette Industries; PDS - Ken Adams, Square D; TSSC - Steve Pittman, Potlatch Corp.; DCS - John Thompson, Consolidated Paper; CBS - Blake Lloyd, Iris Power Engineering.

Russ Thrift reported that they do not have a firm site selected yet. The dates of Oct. 15 for the Executive Committee meeting and Oct. 16 for the Full Committee Interim meeting this year. The hotels previously used have cooperated in providing facilities at little to no cost. If we move from the Holiday Inn, it will probably cost more than it has been costing. Russ will continue to pursue this and will notify the committee. **NOTE THAT THE DATES AND LOCATION OF THIS MEETING HAVE BEEN CHANGED SINCE THE CONFERENCE. THE DATES ARE NOW OCTOBER 21 AND 22 AT THE WESTIN ATLANTA AIRPORT HOTEL.**

## **OTHER DISCUSSION**

Preston Jackson announced that Grady Fox - long-time member of this committee - lost his wife the week prior to the conference. His address is 2445 Jamestown Drive Birmingham, AL 35226.

The meeting was adjourned at 2:45.

**FULL COMMITTEE AGENDA  
IEEE PULP & PAPER INDUSTRY COMMITTEE  
CINCINNATI, OH  
WESTIN HOTEL  
JUNE 16, 1997  
1:00 PM**

- |  |                           |                |            |
|--|---------------------------|----------------|------------|
| 1 - Welcome & Introductions                        |                           | Dave Rollay    |            |
| 2 - Review/Approval of Minutes of 10/17/96 Meeting |                           | Roger Jones    |            |
| 3 - Executive Committee Report                     |                           | Roger Jones    |            |
| 4 - Cincinnati Conference Report                   |                           | Bruce Campbell |            |
| 5 - Cincinnati Technical Program                   |                           | Larry Thomas   |            |
| 6 - Treasurers Report                              |                           | Ron Simpson    |            |
| a - Birmingham Audit Report                        |                           |                |            |
| b - Cincinnati Audit Report                        |                           |                |            |
| 7 - Standing Subcommittee Reports:                 |                           |                |            |
| a - Membership                                     |                           | Alan Lowe      |            |
| b - Mailing List                                   |                           | Bob Morse      |            |
| c - Publicity                                      |                           | Ron Mehofer    |            |
| d - Awards   |                           | Russ Thrift    |            |
| e - Fellows Nominations                            |                           | Clayton Reid   |            |
| 8 - Liaison Reports:                               |                           |                |            |
| a - TAPPI  |                           | Burt Judson    |            |
| b - CPPA   |                           | Clayton Reid   |            |
| c - IEEE-IAS                                       |                           | Clayton Reid   |            |
| d - IEEE-Safety & Energy                           |                           |                |            |
| e - IEEE - Standards Coordinating                  |                           | Jim Daly       |            |
| 9 - Operating Subcommittee Reports:                |                           |                |            |
| a - EMMC   |                           | Rick Watkins   |            |
| b - PDS  |                           | Alex Wu        |            |
| c - TSSC   |                           | Robert Cotton  |            |
| d - DCS  |                           | Mark Weaver    |            |
| e - CBS  |                           | Reno Tonsi     |            |
| f - Power Quality/AD-HOC                           |                           | Ed Reid        |            |
| g - Motor Spec./Recommended Practices/AD-HOC       |                           | Austin Bonnett |            |
| 10 - Future Conferences:                           |                           | Phil Fransen   |            |
| 1998 - Portland, ME                                | Holiday Inn by the Bay    | Tom Osborne    | June 22-26 |
|  | The Radisson              |                |            |
| 1999 - Seattle, WA                                 | Four Seasons/Olympia      | Mark Weaver    | June 21-25 |
| 2000 - Atlanta, GA                                 | Renaissance/Waverly Hotel | Charlie Canty  | June 12-16 |
| 11 - Old Business                                  |                           |                |            |
| 12 - New Business                                  |                           |                |            |

**Adjourn Full Committee Meeting approximately 3:15 PM!**

97fulmtg



**IEEE PULP & PAPER INDUSTRY COMMITTEE**  
**FULL COMMITTEE MEETING** **MONDAY, JUNE 18, 1997**

NAME	COMPANY	CITY	e-mail ADDRESS
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ALEX Y WU	GLOBAL ENG CO	ATLANTA, GA	
PHILIP FRANSEN	FRANSEN ENG. LTD.	RICHMOND, B.C.	to come
JOE MORLINO	CHAMPION	HAMILTON, OH	
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**IEEE PULP & PAPER INDUSTRY COMMITTEE**  
**FULL COMMITTEE MEETING** **MONDAY, JUNE 16, 1997**

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**IEEE PULP & PAPER INDUSTRY COMMITTEE**  
**FULL COMMITTEE MEETING** MONDAY, JUNE 16, 1997

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**IEEE PULP & PAPER INDUSTRY COMMITTEE**  
 FULL COMMITTEE MEETING MONDAY, JUNE 16, 1997

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April 7, 1997

**To:** Executive Committee

**Subject:** Cost of Distributing Interim Meeting Minutes

**COST:**

The Minutes of the Interim 1996 Executive Committee Meeting and those of the Full Committee Meeting were sent to the appropriate members by the following priority:

1. **E-Mail** to those for whom I have valid E-Mail addresses (see Attachment),
2. **3.5" floppy disk** to the rest, and
3. **Paper** copy to those who absolutely insisted.

MODE	COST / UNIT	
<b>E-Mail</b>	\$ 0.00	
<b>3.5" floppy disk</b>	1.93	
<b>Paper</b>	5.45	(plus approximately \$2.00 to include the Exec. Comm. Minutes if required.)
<b>TOTAL COST</b>	<b>\$ 285.28</b>	

The total cost of \$285.28 compares with 1995's cost of approximately \$1234.00 to get the Interim Meeting Minutes published and shipped.

As this shows that e-Mail is by far the least expensive, we should encourage the membership to facilitate the use of e-Mail for the minutes.

**COMMENTS:**

The new procedure of asking the previous Annual Conference Committee to underwrite the publishing of the minutes also worked very well.

I only received a few negative comments and many positive ones. Most of the negative comments were resolved by mailing the disks.

Regards,

Roger W. Jones  
IEEE/IAS PPIC Secretary



**IEEE TECHNICAL ACTIVITIES**  
 THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.  
 445 HOES LANE, P.O. BOX 1331, PISCATAWAY, NJ 09855-1331, U.S.A. (908) 962-3900 TELEX 933-233 FAX (908) 981-1760

September 17, 1996

Mr. Bruce Clayton  
 202-1525 Clivedon Ave.  
 Delta, BC V3M 6L2  
 Canada

RE: 1995 IEEE PULP AND PAPER INDUSTRY CONFERENCE  
 Meeting #4280

Dear Mr. Clayton:

This letter is to acknowledge IEEE Conference Services receipt of the final financial report for the 1995 IEEE PULP AND PAPER INDUSTRY CONFERENCE.

As far as IEEE requirements are concerned, the conference has complied with all financial reporting policies. However, it would be prudent to maintain the pertinent financial records and receipts of the conference for a seven year period. You may not want to maintain all the individual items, but it is suggested that you maintain a log of all expenses and receipts. These records are to be maintained by the Conference, unless otherwise directed by the sponsoring IEEE Society.

We will notify the appropriate department of IEEE that a final report has been submitted for the 1995 IEEE PULP AND PAPER INDUSTRY CONFERENCE.

Thank you.

Sincerely,

Mary Ann DeNald  
 Sr. Administrator  
 Conference Services

MAD:jms

cc: M. J. Dold ✓  
 P. Franssen ✓  
 D. Hourican  
 K. Maze  
 M. D. Wittman

RECEIVED

SEP 24 1996

Fransen Engineering Ltd.

**Rockwell Automation****Allen-Bradley**

January 5, 1996

IEEE Service Center  
445 Hoes Lane  
PO Box 1331  
Piscataway, NJ 08855-1331Attention: Ms Mary Ann DeWald  
Administrator, Conference Services Dept.

Reference: IEEE 1995 Pulp &amp; Paper Conference

Dear Mary Ann:

Please find the enclosed final financial report for the IEEE 1995 Pulp & Paper conference. Also enclosed is a bank draft in U.S. dollars for \$ 3,028.48, which is 2/3 of the profit generated by the conference.

The financial report includes the following:

1. Completed IEEE Technical Activities Summary Financial Report.
2. Detailed Income and Expense Report.
3. Register Reports to summarize details for the Cdn and U.S. bank accounts, and all cash and charge transactions.
4. Register Report for a virtual account that was set up to cover currency exchange adjustments. This was necessary to convert U.S. income to Cdn currency so that the Income and Expense Report could be maintained in Cdn dollars. Also, expenses paid in U.S. dollars had the exchange amount drawn from this account.
4. Conference Registration Summary.

Detailed receipts and bank statements will follow by courier for auditing purposes. If you require any other information, please do not hesitate to call.

Yours Truly,

A handwritten signature in black ink, appearing to read "Bruce Clayton".

Bruce Clayton, P.Eng., MBA  
Finance Chairman  
IEEE 1995 Pulp & Paper Local Committeecc: Philip Fransen  
Mel Dold

SENT BY: ALLEN-BRADLEY:VAN

7-17-86 8:58PM

A-

# 2/2



### IEEE TECHNICAL ACTIVITIES

SUMMARY FINANCIAL REPORT FOR IEEE SPONSORED OR COSPONSORED CONFERENCE  
See reverse side for instructions on how to complete this form

CONFERENCE

1. Full title of Conference 1985 IEEE PULP & PAPER CONFERENCE  
 2. Dates of Conference JUNE 17-19, 86  
 3. Location of Conference (full name and address) THE WESTIN BAYSHORE, 1601 WEST GEORGIA STREET, VANCOUVER, BC, CANADA, V6G 2V4

TYPE OF REPORT / CURRENCY USED

4. Indicate type of report by checking one box:  
 Budget  Interim Report  Final Report  
 5. All income and expense figures below must in U.S. Dollars. For Conferences held outside the U.S.A., indicate the local currency (e.g., Swiss Francs) and the conversion rate used (local currency units per 1 U.S. Dollar) and  
 Local currency: CDN Dollars Conversion rate: .72 Date of Conversion rate: AVERAGE

INCOME

	Budget	Interim Report	Final Report
6. Registration Fees	\$ 92,706		\$ 101,744
7. Conference Publication Sales	5,822		4,943
8. Exhibits Tables / TUTORIALS	14,172		60,854
9. Social Functions	40,563		30,925
10. All Other Conference Receipts			11,302
11. Total Conference Income	154,311		147,368
12. Conference Loans	3,468		15,600
13. Total Receipts	\$ 157,779		\$ 162,968

EXPENSE

	Budget	Interim Report	Final Report
14. Promotion	\$ 6,947		\$ 7,846
15. Conference Publications	4,982		10,264
16. Exhibits Tables / TUTORIALS	11,276		5,779
17. Social Functions	80,686		100,751
18. Administration	3,138		5,225
19. All Other Conference Expenses	26,298		12,938
20. Total Conference Expense	140,327		142,803
21. Loan Repayments	3,468		15,600
22. Total Outlays	\$ 143,802		\$ 158,403

SURPLUS / (LOSS)

23. Total Receipts (13) \$ 162,968 24. Total Outlays (22) \$ 158,403  
 25. Surplus (Loss) (Item 23 less Item 24) \$ 4,565

POST CONFERENCE DISTRIBUTION

Cosponsor Entity	% Share	\$ Distributed
a. <u>LOCAL IEEE</u>	<u>34.5%</u>	<u>1,556</u>
b. <u>HO IEEE</u>	<u>64.5%</u>	<u>2,922</u>
c. _____	_____	_____
d. _____	_____	_____
Surplus (Loss)		\$ _____

CONFERENCE FINANCIAL INSTITUTION

Name of Bank SCOTIABANK  
 Address 101 - 1101 BLOOR STREET EAST, RICHMOND, BC V6X 1T5  
 Conference Account Title IEEE 90 PULP & PAPER CONFERENCE Account No. 31-15  
 Did you request IEEE Conference Insurance?  Yes  No

SUBMITTED BY:

Name BOUCE CLAYTON Tel. No. 1604-520-1  
 Address ALLEN-BRADLEY, 202-1525 CLYDEDALE AVE, DELTA, BC, V3M 6T2  
 Conference Position FINANCE CHAIRMAN

CONFERENCE SIGNATURE \_\_\_\_\_ SOCIETY SIGNATURE \_\_\_\_\_ Date \_\_\_\_\_



IEEE/IAS Pulp & Paper Industry Committee Attendance

	7R	7Q	8Q	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	
	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	
Ken Adams						X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	
Raj Anand														F/X	X/X	O/X	F/X	F/O	O/F	O/O	O/
Jack Anderson	X/X	X/X	X/X	X/E	X/X	F/X	X/X	X/E	X/E	X/X	X/E	X/E	X/O	X/E	X/O	X/E	X/O	X/O	O/O	O/	
Terry Archer														/O	O/O	F/O	O/F	O/F	X/O	O/R	O/
Kirk Armintor														X/O	F/X	O/O	X/X	X/E	X/X	X/	
Joe Armstrong																O/F	O/F	X/X	X/F	X/	
William Baker																			O/O	O/	
Ronda Banks																		X/F	O/X	X/	
Jay Banneriee										X/X	X/X	X/X	X/X	X/X	F/F	F/F	X/O	F/O	F/		
Robert Benaston																	X/X	X/X	F/		
John Bentley							X/F	X/X	X/F	X/X	X/F	X/X	X/X	X/X	X/X	X/X	X/F	X/X	X/X	X/	
Mel Bernard																	O/O	O/O	O/O	D	
Austin Bonnett													X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/	
Jim Bowen																				X/	
Ken Box																F/X	X/X	F/O	O/O	O/	
Terry Branch										/E	X/X	X/O	X/F	X/X	X/O	X/O	O/F	F/E	O/		
Kenneth Brink																				X/	
Ken Bruni								F/X	X/X	X/F	X/X	X/X	X/F	X/F	X/O	X/F	X/O	X/O	F/		
Ken Butler																				X/	
Rich Butler										/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	O/O	R		
David Burrow																				X/	
Howard Cain							X/X	X/X	X/X	X/X	X/F	X/F	X/F	X/F	X/F	X/F	X/O	X/X	X/O	X/	
Bruce Campbell											/X	X/F	X/O	X/X	X/X	X/O	X/X	X/X	X/		
Charlie Cantv							X/X	F/F	F/X	F/O	X/X	F/F	X/X	O/X	X/O	F/O	F/X	F/X	X/		
Richard Carle																	F/F	O/O	O/		
Roger Case															X/O	X/X	X/X	O/O	O/		
TC Chan										X/X	X/X	X/X	X/X	O/O	X/X	X/O	X/F	F/X	F/		
Stephen Cheek																X/O	X/O	O/O	X/		
Laurie Cihlar															/X	X/X	X/X	O/X	O/		
Mike Cinicchio													X/F	O/F	F/X	F/X	O/O	O/O	F/O	O/	
Bruce Clayton											/X	O/F	X/F	F/F	O/X	X/X	X/O	O/O	O/		
J. W. Cleveland																F/E	F/O	O/O	F/		
Richard Cook							X/F	X/O	X/X	X/X	X/F	O/O	X/X	O/X	X/X	O/O	O/O	O/O	D		
Robert Cotton																X/X	X/X	X/X	X/X	X/	
Ray Crane	X/O	X/F	X/F	X/F	F/O	X/F	X/F	X/F	X/X	X/X	X/X	X/F	X/F	X/X	X/F	X/F	X/O	X/O	X/		
Pete Crawford	F/X	F/F	F/X	X/X	X/F	X/F	X/X	X/F	F/E	X/F	X/X	X/X	X/X	X/O	F/F	F/F	O/O	F/O	O/		
Jim Dalv	X/X	F/X	X/F	F/X	X/F	F/F	X/F	X/X	X/F	X/O	X/F	F/X	X/X	X/X	X/F	X/O	F/X	F/F	X/		
Gene Davis, Jr																/E	X/X	X/			
Del Decker															X/O	X/F	O/O	O/O	X/		
Fred Delie										/X	X/O	O/X	X/F	F/F	F/F	F/F	O/O	O/			
Don Devn										/F	X/X	X/X	X/X	X/O	F/X	X/X	F/F	X/			
Steve Dolman																			X/		
Pat Dooley																X/X	X/X	X/X	X/		
Gordon Dover																			X/		
David Durocher																			X/		
Jack Dwver																	/X	X/X	O/		
Stephen Dvrnes							/E	X/F	X/F	F/X	F/O	F/F	X/F	O/F	X/X	X/F	X/O	O/F	F/F	X/	
Eddie Edwards														/X	X/X	X/X	F/F	F/O	O/O	O/	
Pete Famighetti										X/O	X/O	X/F	X/X	X/F	X/F	F/F	F/F	F/F	O/		
Dave Fancher																O/X	O/O	O/O	O/O	O/	

X = Present E = Excused Absence O = Unexcused Absence R = Resigned or Retired D = Dropped

IEEE/IAS Pulp & Paper Industry Committee Attendance

	7R	7Q	8Q	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	
	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	
Robert Fazio																				X/	
Rob Finke													X/F	X/X	X/X	X/F	F/X	X/O	X/O	X/	
Janet Flores																	X/X	X/X	F/		
Jerome Frank																	/F	O/O	O/		
Phil Fransen					/E	X/E	X/E	X/X	X/X	F/E	F/E	X/E	F/O	X/X	O/O	X/E	X/E	X/X	X/		
Rob Fritz	X/X	X/F	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	F/X	X/O	F/F	X/O	O/F	F/	
Douglas Frushour																				X/	
Allen Furler																		O/O	O/O	O/	
Terry Gallagher																				X/	
Rob Giese								/F	X/O	F/F	O/O	X/E	F/F	X/O	F/O	F/F	X/E	X/O	F/		
Mike Glenn		X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/F	X/X	X/X	X/X	X/X	F/X	X/O	F/X	X/X	F/		
Roger Goan		X/X	X/F	X/O	F/X	X/X	X/X	X/X	X/F	X/E	F/X	X/F	X/E	F/X	X/E	F/O	F/X	X/X	O/O	O/	
Dwight Goggans																F/F	F/O	O/O	O/O	O/	
Bruce Graves						X/X	F/X	X/X	X/X	X/X	X/X	FF	X/X	F/X	F/O	F/F	X/O	O/X	X/		
John Green													O/O	O/O	X/O	X/X	F/O	F/F	O/O	O/	
Chuck Grucella										/F	X/E	F/X	X/E	X/E	X/E	X/E	F/E	F/			
Bucky Hammonds																	O/X	X/F	X/		
Ron Haskins													X/X	F/X	X/X	X/X	F/E	O/O	O/O	O/	
John Holmquist								/F	X/F	X/X	X/X	X/F	X/X	X/F	X/X	X/X	X/X	X/X	X/		
Claude Hudson	X/F	X/O	X/O	X/E	X/X	X/E	X/X	X/E	X/E	X/O	F/O	X/O	X/O	X/O	X/X	X/O	X/E	X/O	X/O	F/	
Curt Ivey	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	F/F	X/E	F/F	F/F	F/F	F/	
Preston Jackson								O/X	F/X	X/E	X/E	X/E	X/X	X/E	X/X	X/E	X/E	X/X	X/X	X/	
Barbara Jensen																		X/X	O/O	O/	
Mike Jhaveri														/O	X/X	O/X	O/E	X/E	X/X	O/	
Ron Johnson					/O	X/X	X/X	X/F	F/O	F/F	X/X	X/O	X/O	X/X	X/O	X/F	X/X	X/O	X/		
Rob Jones									X	X/E	X/E	X/X	X/X	X/E	F/X	X/O	F/O	O/O	O/		
Roger Jones									X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/	
Walt Jones		/X	X/X	X/X	X/X	X/X	X/X	X/E	F/E	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	O/X	X/X	X/	
Robert Jordan																			F/F	X/	
Chris Jounni																	X/X	F/O	F/O	O/	
Burt Judson	X/X	X/F	X/X	X/X	X/E	X/X	X/E	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/	
Dick Kane											X	X/E	X/E	O/O	O/X	X/E	X/E	X/E	F/		
John Kay														/O	X/X	X/X	X/X	X/X	X/F	X/	
Farida Khan													X/X	X/E	X/X	X/X	X/O	O/O	O/X	O/	
Shoaib Khan												/F	X/O	X/O	X/O	X/O	X/O	X/F	X/		
Dinah King																				X/	
Brian Kochan																			O/R	O/	
Mike Kozlowski																	O/O	O/O	O/O	D	
Richard Kramer														/O	X/F	X/E	X/O	X/E	F/F	O/	
Jim Kushner																O/O	X/O	O/O	O/O	O/	
Neville Laign													/F	F/F	X/E	F/F	X/O	O/F	X/E	F/	
Larry Lavman	/X	X/X	X/E	X/O	X/E	X/E	X/X	X/E	X/E	F/E	X/E	X/X	X/E	F/X	X/E	X/X	X/E	X/X	X/O	O/	
Phung Le																			O/X	O/	
John Levine															/X	F/X	X/X	F/X	X/E	O/	
Pat Link																/X	X/E	F/F	X/X	O/	
Blake Lovd																	X/E	X/X	X/X	X/	
Alan Lowe									O/F	X/E	X/X	X/X	X/X	X/X	X/X	X/X	X/F	X/X	X/X	X/	
Tom Lowery												/X	X/X	X/X	X/X	X/E	X/X	O/O	O/		
James Myles																				X/	
Indra Madan												X/X	X/E	F/O	O/O	F/O	F/O	F/E	O/F	F/	

X = Present E = Excused Absence O = Unexcused Absence R = Resigned or Retired D = Dropped

IEEE/IAS Pulp & Paper Industry Committee Attendance

	7R	7Q	8Q	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97
	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I
Henry Martin																				X/
George Matto				X/F	F/O	X/F	F/F	X/F	F/F	X/F	X/F	X/O	FF	X/O	O/O	X/O	X/O	F/O	X/F	X/
Patrick McNulty																				X/
Ron Mehofer	X/X	X/F	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	F/X	X/X	X/X	X/X	X/X	X/X	F/
Larry Menche																	X/E	X/X	X/O	X/
Stan Merritt	X/F	X/F	X/F	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/
Joe Miller	/F	O/F	X/F	X/F	X/O	X/F	X/F	X/F	X/F	X/X	X/X	X/X	X/O	X/F	X/X	X/F	X/F	X/F	O/O	F/
David Mintzloff																			O/X	O/
Zafer Mohiuddin												X/O	F/O	F/F	O/O	O/O	F/O	O/O	O/O	O/
Jim Moore												O/X	O/O	X/X	X/X	O/O	O/F	F/O	O/O	O/
Bob Moore						/X	X/O	X/X	F/X	X/O	X/O	X/O	X/O	X/O	X/O	X/O	X/O	X/O	X/O	F/
Sam Moore																				X/
Joe Morlino	X/F	X/F	X/F	O/X	X/X	X/X	F/F	X/X	X/O	F/X	X/X	X/X	X/X	X/F	F/F	F/F	F/F	F/O	X/X	X/
Dick Morrison					/X	X/X	X/X	X/X	F/X	X/X	X/X	F/X	X/X	X/X	F/X	X/X	R	X/X	X/X	O/
Bob Morse	X/X	X/F	X/X	X/X	X/X	F/F	X/F	X/F	X/X	X/X	X/F	X/X	X/X	X/F	X/X	X/X	X/X	X/X	F/X	X/
Frank Newman	X/X	F/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/F	F/F	X/F	X/F	F/X	F/X	X/X	F/E	X/X	X/
Clifford Normand																				X/
John O'Kronen											X/F	X/E	X/E	X/E	X/E	F/O	O/O	F/O	O/O	O/
Don Oliver													O/F	F/F	F/F	F/F	O/O	F/O	O/O	O/
Bob Olsson																				X/
Tom Osborne																	O/F	X/F	X/X	X/
Bud Palmer											X/X	O/X	X/X	X/X	X/X	X/X	X/O	F/X	F/X	X/
Richard Palmer																		X/X	X/X	F/
Elton Parker	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/
James Parker																		O/O	O/O	O/
Randy Paulson													/F	X/F	X/O	F/O	F/O	F/O	O/O	O/
Stephen Pittman																		X/X	F/X	X/
Bill Pollev			X/X	X/X	X/X	F/F	F/F	F/F	O/X	X/O	X/O	F/F	FF	X/O	F/F	X/F	X/F	F/E	X/F	X/
Jim Poole											X/F	X/X	FF	X/X	X/O	F/F	X/X	X/F	F/F	O/
Phil Poole						/F	X/X	X/E	F/X	X/X	X/X	X/E	X/X	F/E	O/F	O/F	X/E	X/X	F/X	F/
Mike Poynter																X/F	X/O	X/F	F/F	X/
Bobby Prater	F/X	X/X	X/X	X/X	X/X	X/X	X/E	X/E	F/X	X/E	X/E	F/E	X/E	F/E	F/E	F/E	O/O	F/O	O/O	O/
SP Reddy					X/X	X/F	X/O	X/X	X/F	X/X	X/X	F/X	X/X	X/X	X/O	X/X	X/X	X/X	X/X	X/
Clayt Reid	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/
Ed Reid													/X	X/X	X/X	X/X	X/F	F/X	F/X	X/
Duncan Rhodes																				X/
Ken Riddle						/X	X/X	X/F	X/X	X/X	F/X	X/X	FF	F/X	F/X	X/X	O/X	X/X	O/O	O/
Mike Riverin											F/X	X/X	X/X	X/X	X/X	X/X	X/X	X/F	X/X	F/
Dave Rollav					X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/
James Rooks																				X/
Paul Roullier													/X	X/X	X/F	X/X	X/X	X/X	X/X	X/
Rene Santiago																		/F	O/O	O/
John Schaffer																	X/O	X/O	O/O	O/
Larry Schindler								X/E	X/E	X/X	X/X	X/X	X/X	X/E	X/X	X/E	X/E	F/O	O/R	O/
Duane Schnitzler		X/X	O/F	O/O	O/F	O/O	F/X	X/X	X/X	X/F	F/X	X/F	X/F	X/O	X/F	O/O	X/O	X/O	X/O	O/
Bob Schoolcraft																F/O	O/X	X/E	O/O	O/
Del Seaver																		/O	X/X	X/
Ted Sexton													/F	X/E	X/X	X/O	O/O	O/F	X/O	O/
Ralph Shead																	/O	X/X	X/X	X/
Tom Shearer																				X/

X = Present E = Excused Absence O = Unexcused Absence R = Resigned or Retired D = Dropped

IEEE/IAS Pulp & Paper Industry Committee Attendance

	7R	7Q	8Q	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97
	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I
Jim Simson																			X/X	F/
Ron Simson								F/X	X/X	X/X	X/X	X/X	X/X	X/X	X/O	X/X	X/X	X/X	X/X	X/X
Ron Sinclair									/X	X/X	X/X	F/E	X/X	X/X	X/E	X/X	E/O	X/O	O/O	O/
Rav Smith										/X	X/X	X/X	F/F	X/X	X/X	F/X	X/X	X/X	X/X	O/
Joseph Stees																				X/
Malcolm Steeves											F/O	O/X	X/E	O/E	X/E	F/O	X/O	X/E	O/E	X/
David Swindler																				X/
Jeff Swonne										O/O	F/O	X/E	O/O	F/X	F/O	O/O	O/E	O/O	O/O	R
Prem Tagra																			/X	X/
Chand Tailor																	X/E	X/E	X/X	O/
Larry Thomas											F/F	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/
John R. Thompson	O/X	X/X	X/X	F/E	F/E	F/O	X/O	X/X	F/X	X/E	X/O	X/E	X/E	X/X	X/E	X/E	X/E	X/X	X/E	X/
John C. Thompson																				X/
Russ Thrift											X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/
Sid Ticker															X/F	X/X	O/X	X/X	X/F	X/
Mike Tiller																				X/
Reno Tonsi										/X	X/E	X/F	X/X	X/X	X/F	X/F	X/X	X/X	X/X	X/
Don Tremaglio																X/O	X/O	F/O	O/O	O/
Tim Trumbo									/X	X/O	X/X	F/X	X/X	X/O	X/O	X/F	X/O	X/O	O/O	O/
Paul Tsou											/X	X/X	X/X	X/E	X/O	X/O	X/X	F/E	O/	
Greg Vaughn																				X/
Del Ventrucella																X/E	X/E	O/X	X/	
Wayne Vinson																			O/X	X/
Al Vrasnir								X/E	X/X	X/E	X/O	X/X	F/X	X/E	X/E	X/X	F/E	F/E	O/O	O/
Hank Wachter														X/O	X/E	X/X	X/X	X/E	X/F	X/
Barclay Wallace																			O/O	O/
Rheft Ward					X/X	X/X	X/X	X/X	X/X	X/X	X/X	F/X	F/O	F/E	F/O	F/F	F/O	O/O	O/	
Rick Watkins											/X	X/X	X/X	X/O	X/X	F/X	X/X	X/E	O/	
Mark Weaver								X/X	X/E	F/X	F/X	X/X	X/E	X/F	X/X	X/F	X/X	X/X	F/F	X/
George Weibrauch																				X/
Pete Werner																	X/O	X/X	X/O	F/
Mike Wilcox														/X	F/O	X/O	O/E	O/O	O/O	O/
Jim Williams			X/X	O/E	F/E	O/O	X/X	X/E	X/X	X/X	X/X	F/O	X/E	F/E	X/E	F/O	F/O	X/O	F/E	F/
Charles Wood											F/X	F/X	F/X	F/O	O/X	F/X	F/X	O/O	X/X	F/
John Worsham																				X/
Alex Wu						F/X	X/X	X/X	F/X	F/X	X/X	X/E	X/O	X/E	X/X	X/X	X/O	X/X	X/X	X/

X = Present E = Excused Absence O = Unexcused Absence R = Resigned or Retired D = Dropped

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Rev. Date: 8/6/97

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## IEEE/IAS Pulp and Paper Industry Committee Membership Roster

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Rev. Date: 8/6/97

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## IEEE PULP AND PAPER CONFERENCE MAILING LIST REPORT FOR 1997 CONFERENCE

The Mailing List was updated with the 1996 corrections from the mailing list books at the 1996 conference, the 1996 conference registration disk, and the added names sent to the mailing list coordinator during the year. Many thanks to the Birmingham conference committee for their prompt response to send me the registration disk. The mailing list coordinator sent "paper mill Chief Engineer/Engineering Manager" mailing list labels for the Cincinnati chairman to send IEEE Pulp and Paper conference info to improve mill participation. We used the 1994 Manager Mailing List purchased from Miller Freeman to produce the labels. Unfortunately, the updated 1996 mailing list disk and labels produced by D. Secrist were never sent to the Cincinnati conference committee. I did not check to see if it was done. I have updated the mailing list books and they will be put out in the conference registration area for corrections, deletions, and additions by the conference attendees.

Since the conference committees now are using computers to handle record keeping at the conferences I propose we use the past conference disk (which includes the info for the mailing list) to generate a mailing list for the next conference that is modified by the mailing list coordinator using the corrections to the mailing list books as well as any new names sent to the coordinator. The changes would be made to the past conference registration disk as well as a disk of the corrections to the mailing list books set out at the conference. The modified conference disk and changes disk would be forwarded to the next conference chairman by the mailing list coordinator to be used to generate the mailing labels.

Submitted by,

Bob Morse

Mailing List Coordinator



**IEEE PPIC MEDIA PUBLICITY REPORT****CINCINNATI CONFERENCE****JUNE 16, 1997**

The publicity releases for the Cincinnati Conference were mailed to the various trade magazines shown on the attached list for inclusion in their Calendar of Events sections on 2/17/97. At that time I also invited the editors to attend our conference and attached a copy of the tentative program. As directed by the committee, I offered them a complimentary registration.

This year we have had responses from two editors who will be attending our conference. John Dedad of EC&M and John Hill of Intech will be attending the conference. Please help me by making them welcome when you see them.

I would also like to refine our listing of magazines to contact, so if you would like to add any to the attached list, please send me the name, phone number, and contact and I will include them for future notices.

I will forward a report to IAS following the conference.

Regards,

Ron Meihofers  
Publicity Chairman.

**IEEE MEDIA PUBLICITY LIST OF  
TECHNICAL PUBLICATIONS 4/23/97**

American Papermaker  
57 Executive Park S.  
Suite 310  
Atlanta, GA 30329  
Phone 404 872-7099  
Carolyn Benedict, Business Manager

Boxboard Containers  
Maclean Hunter Publishing Company  
29 N. Wacker Drive  
Chicago, IL 60606  
Charles J. Huck, Editor

Canadian Pulp & Paper Journal  
777 Bay Street  
Toronto, ON M5W 1A7  
CANADA

Control Engineering  
1350 E. Touhy Ave.  
P.O. Box 5080  
Des Plaines, IL 60017-5080  
Phone: 847 635-8800  
FAX: 847 390-2460  
Michael Babb, Editor

Control Magazine  
Putnam Publishing Company  
301 E. Erie Street  
Chicago, IL 60611  
Phone: 312 644-2020  
FAX: 312 644-2437  
E-mail: <http://www.controlmagazine.com>  
Peggy Smedley, Editorial Director

Converting Magazine  
1350 E. Touhy Avenue  
Des Plaines, IL 60018  
Phone: 847 635-8800  
FAX: 847 390-2460  
Mark A. Spaulding, Editor in Chief

EC&M  
Intertec Publishing Corp.  
53 Jardin Circle  
Huntington, CT 06484  
John Dedad, Editor in Chief

IEEE Industry Applications Magazine  
445 Hoes Lane  
Piscataway, NJ 08855  
Phone: 908 562-3953  
Gregory Ross, Managing Editor

IEEE Spectrum  
345 E. 47th Street  
New York, NY 10017  
Phone: 212 705-7305  
Ramona Foster, Events Calendar

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Radnor, PA 19089-0425  
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ISA Services, Inc.  
67 Alexander Drive  
P.O. Box 12277  
Research Triangle Park, NC 27709  
Phone: 919 549-8411  
FAX: 919 549-8288  
E-mail: [info@isa.org](mailto:info@isa.org)  
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Nonwovens Industry  
Rodman Publications, Inc.  
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Michael Jacobson

Paper Age  
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Pulp & Paper International  
 123a Chaussee de Charleroi  
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 Brussels, BELGIUM

TAPPI Journal  
 Technology Park  
 P.O. Box 105113  
 Atlanta, GA 30348-5112  
 Phone: 770 446-1400  
 Donald G. Meadows, Editor

June 18, 1997

Mr. Roger Jones  
Weyerhaeuser  
Old Stagecoach Road  
PO Box 238  
Oglethorpe, GA 31608

re: June 1997 PPIC/TSSC minutes

Roger,

At our annual meeting, we had 12 members in attendance:

Paul Rouillier	Malcolm Steeves	Sid Ticker
Mike Poynter	Steve Pittman	Bob Jordan
Ralph Shead	Clayton Reid	Jim Daly
Bob Finke	Roger Jones	

2 guests:

Robert Fazio	Gregory Vaughn
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3-excused absences:

Neville Lang	Jim Williams	Mike Glenn
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6-unexcused absences:

Don Tremaglio	Rene P. Santiago	BB Prater
James Oliver	Barbara Jensen	Farida Khan

Proposed Papers were 9 for the June 1998 Portland Me. Conference.:

- #1 Title: Computer Assisted Training  
Sponsor: Mike Poynter  
Author: Anita Hinds, Todd Martin  
Class D paper
- #2 Title: Mechanical Guards for Rotating Machines  
Sponsor: Mike Poynter  
Author: TBD  
Class E
- #3 Title: Inspection Requirements  
Sponsor: Jim Daly  
Author: TBD  
Class E
- #4 Title: High Voltage Safety Training  
Sponsor: Roger Jones  
Author: Bob Jordan  
Class D
- #5 Title: Idaho Falls Apprenticeship Program  
Sponsor: Duncan Rhodes  
Author: Bill Murphy  
Class C

- #6 Title: DCS Training-Pneumatics to Digital  
Sponsor: Duncan Rhodes  
Author: Butch Hartmann  
Class C
- #7 Title: Process Safety Mgt-Implementation  
Sponsor: Duncan Rhodes  
Author: Jerry Carlson  
Class E
- #8 Title: Signature Vibration Analysis  
Sponsor: Malcolm Steeves  
Author: Jerry Trodd  
Class D
- #9 Title: Nema & IEC standards-Motors  
Sponsor: Clayton Reid  
Author: Burt Bertolla  
Class B

Steve Pittman was asked to chair our committee for the next 2 years and he has agreed to do so. Our interim meeting was scheduled for October 16<sup>th</sup> in Atlanta. The 1998 conference will be in Portland, ME. The date is June 22-26. Those noted above as sponsors were encouraged to find time to support the author. As many of you are aware the writing of a paper is a challenging task and the authors need our help and encouragement. Jim Williams has agreed to be a paper reviewer for 1998 papers.

Bob Jordan agreed to serve as our ad hoc committee member for power quality and attended the meeting. He reports that there are two papers being discussed in the power quality committee that may possibly duplicate papers generated out of the TSSC group. It was decided that whomever gets the paper in first will have the priority.

Submitted,  
June 19, 1998  
Robert Cotton  
Chairman-TSSC

cc. Larry Thomas, Clayton Reid, Bob Finke, Paul Rouillier, Sid Ticker, Neville Lang, Ralph Shead, Mike Glenn, Jim Williams, Mike Poynter, Jim Daly, Bob Jordan, Don Tremaglio, Malcolm Steeves, Rene P. Santiago, B.B. Prater, James Oliver, Barbara Jensen, Farida Khan, Steve Pittman, Robert Fazio

**IEEE Industrial Applications Society - Pulp & Paper Industry Technical Committee**

Drives and Controls Subcommittee - 1997 Annual Meeting - Cincinnati Ohio - June 16, 1997

**ATTENDANCE LIST**

<b>Attendees</b>	<b>Excused</b>	<b>Unexcused</b>
J. Bentley	M. Bruce Clayton	John Anderson
Austin Bonnett	Robert Fritz	William Baker
Ken Brink	Charles Grucella	Richard Butler
Stephen Cheek	C. Ivey	Michael Cipicchio
D. Ray Crane	Richard Kane	Richard Cook
E. Davis Jr.	Ronald Meihofer	Frederick Delie
Philip Fransen	Michel Riverin	E. Edwards
B. Graves	Ronald Sinclair	Peter Famighetti
John Holmquist	Peter Werner	Robert Giese
Preston Jackson		Alan Greene
Walter Jones		Michael Kozlowski
Burt Judson		Patrick Link
J. Alan Lowe		Thomas Lowery
R. Morse		David Mintzloff
Duncan Rhodes		R. Palmer
David Rollay		Gary Reed
Delbert Seaver		H. Dwayne Robbins
John Thompson		Timothy Trumbo
Henry Wachter		
Mark Weaver		

<b>Paper No:</b>	9415	<b>Conference:</b>	1997
<b>Title</b>	Input Power Measurements of Non-Sinusoidal Waveforms		
<b>Sponsor:</b>	Philip Fransen	<b>Reviewers:</b>	Robert Fritz Michel Riverin
<b>Authors:</b>	Bradford Forth		Richard Kane J. Bentley Ronald Meihofer John Holmquist
<b>Status:</b>	Fransen will contact Forth and ask him to finalize the paper.		

<b>Paper No:</b>	95-02	<b>Conference:</b>	1997
<b>Title</b>	Impact of Motor Starting Current on Motor Controls and Systems		
<b>Sponsor:</b>	Henry Wachter	<b>Reviewers:</b>	R. Morse Ken Brink
<b>Authors:</b>	George Soukup Dave Rollay Erich Heberline		Ken Butler Richard Butler Walter Jones John Holmquist
<b>Status:</b>	Canceled Paper		

**IEEE Industrial Applications Society - Pulp & Paper Industry Technical Committee**

Drives and Controls Subcommittee - 1997 Annual Meeting - Cincinnati Ohio - June 16, 1997

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<b>Paper No:</b>	95-09	<b>Conference:</b>	1997
<b>Title</b>	DC Bus Supplies for PWM Inverters		
<b>Sponsor:</b>	Charles Grucella	<b>Reviewers:</b>	Ken Brink M. Bruce Clayton
<b>Authors:</b>	Patrick Link Steve Bane		Walter Jones J. Alan Lowe
<b>Status:</b>	Grucella is not available for update at annual meeting. Update at Interim.		

---

<b>Paper No:</b>	96-02	<b>Conference:</b>	1998
<b>Title</b>	Additional Opportunities for Switched Reluctance motor Drives		
<b>Sponsor:</b>	John Holmquist	<b>Reviewers:</b>	R. Morse Ken Brink
<b>Authors:</b>	Joe Kline		Mark Weaver M. Bruce Clayton
<b>Status:</b>	Abstract Presented at 1997 Annual Meeting. Looks good for 1998 at Portland, ME.		

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<b>Paper No:</b>	96-03	<b>Conference:</b>	1998
<b>Title</b>	Switched Bus for Feeding Inverters (Resonant Link)		
<b>Sponsor:</b>	Mark Weaver	<b>Reviewers:</b>	Austin Bonnett Thomas Lowery
<b>Authors:</b>	Dallas Marcx		Peter Werner J. Bentley
<b>Status:</b>	Weaver will check with Dr. Deepak at U. of Wisc. for possible author at 1998 Conf.		

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<b>Paper No:</b>	96-09	<b>Conference:</b>	1996
<b>Title</b>	Selecting, Sizing and Analysing AC Drive Regeneration		
<b>Sponsor:</b>		<b>Reviewers:</b>	John Holmquist Robert Fritz
<b>Authors:</b>	Norm Linder		J. Alan Lowe Ken Brink Peter Werner R. Palmer
<b>Status:</b>	Judson will follow up with Rockwell author. Linder has left Rockwell. Not likely for 1998		

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<b>Paper No:</b>	96-10	<b>Conference:</b>	1996
<b>Title</b>	Paper Machine E-Stop Case History		
<b>Sponsor:</b>	J. Alan Lowe	<b>Reviewers:</b>	John Thompson Richard Kane
<b>Authors:</b>	Walter Jones		B. Graves Mark Weaver Philip Fransen
<b>Status:</b>	Walt will contact OSHA to see if they can supply an author. Does not look likely for 1998.		

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<b>Paper No:</b>	96-11	<b>Conference:</b>	1997
<b>Title</b>	Partial Sectionalization of a Line Shaft Machine: Case history		
<b>Sponsor:</b>	Michel Riverin	<b>Reviewers:</b>	Peter Werner John Thompson
<b>Authors:</b>	Ronald Daigle Roy Chidgey		Bob Olsson R. Palmer Duncan Rhodes
<b>Status:</b>	Canceled Paper		

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<b>Paper No:</b>	96-13	<b>Conference:</b>	1997
<b>Title</b>	Press Section Regulation Schemes		
<b>Sponsor:</b>	J. Alan Lowe	<b>Reviewers:</b>	Richard Kane Delbert Seaver
<b>Authors:</b>	Roger Jones_R Walter Jones		Peter Werner Patrick Link
<b>Status:</b>	Probably a rough draft at the interim meeting.		

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<b>Paper No:</b>	96-15	<b>Conference:</b>	1998
<b>Title</b>	Electric Welder Practice in Paper Mills		
<b>Sponsor:</b>	John Bentley	<b>Reviewers:</b>	D. Ray Crane Walter Jones
<b>Authors:</b>	Robert Bengston		Duncan Rhodes Patrick Link John Worsham
<b>Status:</b>	Removed Chen as author. Bentley will assemble an abstract and review the Emerald Book. Ray Crane will volunteer Holmquist.		

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<b>Paper No:</b>	97-02	<b>Conference:</b>	1998
<b>Title</b>	Design and Application Considerations of AC Braking Generators		
<b>Sponsor:</b>	Walter Jones	<b>Reviewers:</b>	Peter Werner Robert Bengston
<b>Authors:</b>	John Pietrow		Duncan Rhodes J. Alan Lowe Henry Wachter
<b>Status:</b>	Promised an abstract and Rough by interim. Looks good for presentation in 1998.		

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<b>Paper No:</b>	97-03	<b>Conference:</b>	1998
<b>Title</b>	Intelligent Motors Can Predict the Instance of Failure		
<b>Sponsor:</b>	Austin Bonnett	<b>Reviewers:</b>	R. Morse Duncan Rhodes
<b>Authors:</b>	Voyl Divljakovic Eric Wildi Roland Hannula		Delbert Seaver Preston Jackson
<b>Status:</b>	Abstract presented at 1997 annual meeting. Paper looks good for presentation at Portland, ME.		

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<b>Paper No:</b>	97-05	<b>Conference:</b>	1997
<b>Title</b>	Multiple Re-Strike Phenomenon When Using Vacuum Circuit Breakers to Start Refiner Motors		
<b>Sponsor:</b>	Duncan Rhodes	<b>Reviewers:</b>	Austin Bonnett John Holmquist
<b>Authors:</b>	Philip Fransen		John Kay Delbert Seaver
<b>Status:</b>	Changed author to Philip Fransen		

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<b>Paper No:</b>	97-06	<b>Conference:</b>	1997
<b>Title</b>	Structuring of Winder Software - Review of Basic Building Blocks		
<b>Sponsor:</b>	Philip Fransen	<b>Reviewers:</b>	R. Palmer John Thompson
<b>Authors:</b>	Rob Karpinski		Walter Jones Richard Kane Peter Werner Mark Weaver
<b>Status:</b>	Karpinski has changed employers to Northwest Drives and Controls in Vancouver, WA. Fransen & Weaver will prevail on rob to produce paper.		

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<b>Paper No:</b>	97-07	<b>Conference:</b>	1998
<b>Title</b>	Sectional and System Tuning concepts for a paper machine Drive		
<b>Sponsor:</b>	Henry Wachter	<b>Reviewers:</b>	J. Alan Lowe Patrick Link
<b>Authors:</b>	Peter Werner Philip Fransen Walter Jones		Delbert Seaver Duncan Rhodes Robert Bengston
<b>Status:</b>	Promised a rough draft at the interim meeting.		

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<b>Paper No:</b>	98-01	<b>Conference:</b>	1998
<b>Title</b>	Case Histories: Resolution of Motor Shaft Currents (AC & DC Motors)		
<b>Sponsor:</b>		<b>Reviewers:</b>	
<b>Authors:</b>			
<b>Status:</b>	Proposed changing this paper to a panel discussion. John Thompson will follow up with this for Portland, ME.		

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<b>Paper No:</b>	98-02	<b>Conference:</b>	1998
<b>Title</b>	Methods of Field Measurements of Motor Efficiency		
<b>Sponsor:</b>	Austin Bonnett	<b>Reviewers:</b>	
<b>Authors:</b>	John Keck		
<b>Status:</b>	Bonnett will pursue having this previously presented paper given at Portland, ME.. The author is with Oak Ridge National Laboratory.		

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<b>Paper No:</b>	98-03	<b>Conference:</b>	1998
<b>Title</b>	Reasons for IEEE Standard 841-1994, Motors for the Forest Product Industry		
<b>Sponsor:</b>		<b>Reviewers:</b>	Tom Schearer J. Bentley
<b>Authors:</b>	John Holmquist		R. Morse Jim Rooks Walter Jones
<b>Status:</b>	Holmquist presented an abstract at 1997 annual. Holmquist has promised draft for interim in October.		

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<b>Paper No:</b>	98-04	<b>Conference:</b>	1998
<b>Title</b>	Preventive Maintenance of Battery Systems		
<b>Sponsor:</b>	Duncan Rhodes	<b>Reviewers:</b>	D. Ray Crane Preston Jackson John Holmquist
<b>Authors:</b>	Matt Fowler		
<b>Status:</b>	Author is with Boise Cascade at International Falls. Rhodes will see that the author gets a copy of Ray Crane's paper.		

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<b>Paper No:</b>	99-01	<b>Conference:</b>	1999
<b>Title</b>	Results of Testing: PWM Waveforms Effects on Motors with Control of Rise Time, etc.		
<b>Sponsor:</b>	Austin Bonnett	<b>Reviewers:</b>	
<b>Authors:</b>			
<b>Status:</b>	Bonnett will bring a proposal for this paper to the interim meeting.		

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**COMPUTER BASED SYSTEMS SUBCOMMITTEE****MINUTES OF MEETING**

Meeting Date: June 16, 1997

Recorded by: Reno Tonsi

Members Present: Kirk Armintor Rockwell Automation  
 Joe Armstrong Boise Cascade Corporation  
 Mike Jhaveri Champion  
 Blake Lloyd Iris Power  
 Stan Merritt Merritt and Associates  
 Larry Thomas Weyerhaeuser Company  
 Reno Tonsi Allen-Bradley

Members from another subcommittee John Thompson Culter-Hammer

Wishing to join CBS Mike Tiller GE-Fanuc Automation  
 John Worsham Jefferson-Smurfit Crop

Guests Present: Stephen Hilder Northwood Pulp & Paper

Excused Absence: Janet Flores Rockwell Automation  
 John Kay Process Automation Systems

Unexcused Absence: None

Distribution: Subcommittee Members, Guests,

**General**

Minutes of last meeting were accepted.

Dick Morrison has retired from Boise Cascade and is no longer a member of this subcommittee.

John Thompson of Cutler-Hammer has requested a transfer to our subcommittee.

Mike Tiller of GE Fanuc Automation and John Worsham of Jefferson-Smurfit asked to join our subcommittee. I believe that both are members of IAS and that I gave their applications to Alan Lowe for processing.

### **1997 Conference and Papers**

Three papers and one tutorial were sponsored by CBS for this conference.

Kirk Armintor was our paper grader for this conference.

John Thompson operated the lights for the Wednesday morning session.

### **1998 Interm Meeting**

The Interm Meeting will be held on October 15/16 in Atlanta. A plant tour will be held on the 15<sup>th</sup>. The subcommittee meetings start at 8:00 A.M. on the 17<sup>th</sup>. Please make every attempt to bring abstracts and drafts of the papers that you are sponsoring for the 1998 Conference to this meeting.

### **1998 Conference Papers**

The 1998 Conference will be held June 19 -23 in Portland, Maine.

The Subcommittee believes that it has six potential papers for the conference. See attached spreadsheet for Sponsor and Reviewer assignments.

1. 98-2 Environmental Protection
2. 98-3 One Mills Experience with Power Monitoring
3. 98-4 DeviceNet vs. Fieldbus Applications
4. 98-5 The Internet - What can it do for you, an Engineer
5. 98-6 Application of a Plant Wide Information System in a Mill
6. 98-7 Grounding Methods on Electronic Equipment

### **Other Business**

Blake Lloyd will be putting together a proposal on a home page for the Pulp and Paper Industry Committee.

My deepest thanks to all subcommittee members for all their efforts during the period that I chaired the Computer Based System subcommittee.

The executive committee has appointed Blake Lloyd to take over leadership of CBS effective July 1, 1997.

attachments: crpaper.xls  
crpattnd.xls

## Ad-Hoc Subcommittee on Power Quality

### Minutes of June 16, 1997 Meeting

#### Attendees Include:

W. Edward Reid	Chairman	(Qual-Tech)
Dave Durocher	EMMC Representative	(Cutler-Hammer)
Bob Jordan	TSSC Representative	(Willamette, Ind.)
Ron Simpson	PDS Representative	(GE)
John R. Thompson	DCS Representative	(Consolidated Paper)
John Worsham	CBS Representative	(Jefferson-Smurfit)

#### Minutes:

The Subcommittee met from 11:00 AM to 12:15 PM.

Subcommittee Representatives discussed the planned power quality papers for 1998 and revised the list for potential future papers. These papers are summarized in Attachment #1.

A tutorial is planned for 1998 on Power Quality Standards and Developments. A proposed outline is given in Attachment 2.

A historical list of power quality tutorials and papers (since 1990) is included in Attachment #3.

Respectfully submitted,

W. Edward Reid, Chairman  
Ad Hoc Committee of Power Quality - PPIC

## Attachment #1

**Pulp & Paper Industry Committee  
Proposed Power Quality Related Tutorials and Papers**

<b>Tutorials:</b>	<b>Subcommittee</b>
1997	
1998 Refresher Courses on Harmonics & Power Quality	
1999	
 <b>Papers:</b>	
1998 “Study of Harmonic Conditions in a Paper Mill Environment”, by David Paine (Sponsored by Steve Dyrnes)	PDS
“Power Quality is Free”, (Sponsored by Ken Adams)	PDS
“Investigation of Electric Drive Related Mill Shutdown Due to Utility Power Quality Phenomenon”	PDS
“Effects of Harmonics on Trip Units for Low Voltage Circuit Breakers” by Ron Simpson and Bill Vilcheck	PDS
“Input Power Measurements of Non-Sinusoidal Waveforms”, by Brad Forth	DCS
“Intelligent Motors Can Predict Instance of Failure”, by Voyl Divijakovic (Sponsored by Austin Bonnet)	DCS
“Grounding Methods on Electronic Equipment-- A Technical Explanation - Not a Code Review”, (No Author or Sponsor Assigned)	CBS & TSSC
“Electric Welder Practices in Pulp and Paper Mills”, (John Thompson trying to find an author)	DCS
Future “Vibration Effects on Motors Associated With Harmonics” (May be included in Divijakovic’s paper above.)	DCS
“Grounding Methods For Motors With Harmonic Distortion” (Roger Jones will be addressing this subject.)	
“Drive Ride Through Capabilities -- An Industry Survey Of The Current Technology, And Status Of Industry Standards”	
“Power Quality Limits In European Common Market”, [Bill Vilcheck will check with Reg Mendis, Ron Meihoffer has a collection of European standards.]	PDS
“Voltage Unbalance Relates To Energy Efficient Motors”	DCS
“Paper On How Power System Harmonics Affect Motors And Drives”	
“Effects of Deregulation on Power Quality”	

**Attachment #2****Proposed Tutorial  
On  
Power Quality Standards and Developments**

1. Harmonics
  - IEEE 519
  - IEEE 519A
  - CSA
  - IEC
  - Ongoing Developments
2. System Disturbances
  - IEEE 1346
  - IEEE 1250
  - IEEE 1159
  - IEEE Gold Book
  - IEEE Orange Book
  - ANSI C84.1
  - CSA
  - IEC
  - Ongoing Developments
3. Grounding
  - NEC
  - IEEE Green Book
  - IEEE Emerald Book
  - Ongoing Developments
4. Equipment Standards
  - Transformers (ANSI/IEEE C57 & UL 1561 and 1562)
  - Motors and Generators (NEMA MG-1)
  - Capacitors (IEEE 18)
  - Filters (Application Guide Being Developed)
  - Drives
  - Lighting Blasts
  - Ongoing Developments
5. Developments in Equipment Design to Address Power Quality Issues
  - Reducing Harmonics
  - Increasing Ride-Through Capability
6. Utility Strategies With Regard to Power Quality Issues
  - Proactive
  - Reactive
  - Effect of Deregulation

Ed Reid - 6/16/97



## Attachment #3

**Pulp & Paper Industry Committee  
History Since 1990 of  
Power Quality Related Tutorials and Papers**

**Tutorials:**

1990	
1991	Power System Harmonics, Principles, and Applications
1992	
1993	Power Compatibility
1994	
1995	Grounding Practices
1996	
1997	

**Papers:**

1990	Application, Design, and Rating of Transformers Containing Harmonic Currents	Sheldon P. Kennedy C.L. Ivey
	Effect of Waveform Distortion on Protective Relays	W.A. Elmore C.A. Kramer S.E. Zocholl
1991	Capacitor Application Considerations - Utility/User Interface	W. Edward Reid
	Shunt Capacitor Filters for Motor Starting Load Voltage and Harmonic Distortion Control	J.C. Das
	Rating Considerations for Squirrel Cage Induction Motors Operated with Variable Frequency Drives	Patrick J. Link
	Transient Effects in Application of PWM Inverters to Induction Motors	Erik Persson
	Correcting Mill Power Factor with a Synchronous Condenser	Kevin Becker
1992	Harmonic Analysis for Industrial Power Systems Computation Techniques and Filtering	Ali Moshref Shoaib Khan
	Considerations in Derating Induction Motors for Applications on Variable Frequency Drives	Steven L. Mecker
1993	Power Quality and Symmetrical Component Analysis	Ronald H. Simpson, PE
	Expert System for Analysis of Electric Power System Harmonics	D.D. Shipp M.E. Swartz W. Vilcheck N.H. Woodley
	UPS Applications: A Mill Perspective	Richard H. Carle
	More Application Considerations for PWM Inverter-Fed Low-Voltage Induction Motors	Thomas F. Lowery David W. Petro
	Specifying a Motor for Use on an Adjustable Speed Drive from the Motor Designer's Point of View	Lester B. Manz

1993	Variable Frequency Drive and Motor System Selection	Eddie W. Edwards, PE
1994	Specification of Variable Frequency Drive Systems to Meet the New IEEE 519 Standard	P.Y. Keskar, PhD, PE
	Analysis of the Impact of Pulse-Width Modulated Inverter Voltage Waveforms on AC Induction Motors	Austin H. Bonnett
	Power Quality Issues - Standards and Guidelines	W. Edward Reid
	Harmonic Analysis of Industrial Power Systems	Robert Ellis, PE
	Harmonic Current Flow Using the Admittance Matrix Method	Ronald H. Simpson, PE
	Power Quality and Line Considerations for Variable Speed AC Drives	D.D. Shipp W.S. Vilcheck
	Installation and Operating Experience of a 350 HP AC Drive for Harmonic Reduction	William J. Frey Joseph G. Graf Bob Moore
1995	Motor Lead Length for IGBT PWM Drives	Toshio Takahashi Mike Tetmeyer Hong Tsai Tom Lowery
	Power Quality and Generator Subsynchronous Oscillations	Ronald H. Simpson
	Improving System Operations with the Installation of Capacitor Filter Banks in a Paper Facility with Multiple Generating Units	S.R. Mendis M.T. Bishop T.M. Blooming R.T. Moore
	System and Equipment Problems Associated with Variable Frequency Drives in the Pulp & Paper Industry	Shoaib Khan, PE Nazem El-Dehaibi, PE
1996	Motor Insulation System Quality in the Presence of IGBT Drives	Les Manz
	Transient Response of Electric Drives Under Utility Upset Conditions	Alex Y. Wu Yuexin Yin
	Lightning Protection for the Pulp & Paper Industry	Roy B. Carpenter, Jr. George Yeh
	Harmonics: How They Affect the Development and Design of "K" Factor Transformers	Jerome M. Frank, PE
1997	PWM Inverter and Motor Applications, A Quick Reference of Bibliographies and Abstracts	Austin H. Bonnett Duncan Rhodes
	Instrumentation, Measurement Techniques & Analytical Tools in Power Quality Studies	Ronald H. Simpson
	A Low Harmonic Electric Drive System Based on Current-Source-Inverter	Yuexin Yin Alex Wu
	Output Filters for PWM Drives with Induction Motors	Paul T. Finlayson

## YOUNG PROFESSIONALS DEVELOPMENT SUBCOMMITTEE

MINUTES OF MEETING

Meeting Date: June 16, 1997

Members Present: Rhonda Banks  
Laurie Cihlar  
Dave Clancy  
Dinah King  
Blake Lloyd  
Steve Pittman  
Mark Taylor  
Greg Vaughn  
Mark Zawadzki

Mission Statement: To attract and mentor young professionals to the IEEE-IAS Pulp and Paper Conference for the purpose of encouraging new perspectives and providing direction for committee involvement.

1. This group met to found the Young Professionals Development Subcommittee.
2. Much discussion was held concerning ways to get new people involved with the conference. Some ideas include contacting local mills near each conference site to recruit new memberships, having a luncheon or happy hour at each convention to welcome new attendees and explain how to get involved on committees, and recognizing papers presented by young professionals with a special award.
3. Laurie Cihlar will contact the chairman of the Young Engineer's Development Subcommittee for the IEEE-IAS Petrochemical Conference to obtain information about their program.
4. The group will continue discussions at the Interim Meeting.

(Submitted by Laurie Cihlar)

IEEE/IAS Pulp & Paper Industry Committee  
NEW E-Mail Addresses 6/16/1997

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