
Industrial Power Converter Committee Meeting

**Montreal Canada
September 21st, 2015**

Introduction of members

Approval of the agenda

Approval of 2014 Meeting Minutes

Reports from subcommittees

- Standards
- IPCC prize paper awards
- IAS transaction review
- Conference organization report
- Fellow and awards nomination

IAS - PELS sponsored 2016 conferences

- SLED 2016
- PEMD 2016

Election of the new IPCC secretary 2016-2017

Election of a Vice Transaction chair for 2016-2017

Planning of ECCE 2016

- Call for Tutorials
- Volunteers as Reviewers and Session Chairs

Standards Report
Yuri Khersonsky

- Draft 4 of the revised standard is under review until end of September 2015 and balloting will be initiated soon after.



Reports from subcommittees
IPCC prize paper awards



IPCC Prize Paper Awards for ECCE 2014

Leon Tolbert

- The **papers** presented at ECCE 2014 and accepted to IAS Transactions were taken into consideration for the IPCC prize paper ballot. The list was done based on the reviewers' score during the transaction review process
- Only the papers submitted for IAS Trans. before **November 15, 2014** were included in the ballot



Reports from subcommittees
IPCC prize paper awards



First IPCC Prize Paper Award

Seung-Jun Chee, Hyeon-Sik Kim and Seung-Ki Sul,

"Common-mode Voltage Reduction of Three Level Four Leg PWM Converter"

Second IPCC Prize Paper Award

Jie Shen, Stefan Schröder, Bo Qu, Yingqi Zhang, Kunlun Chen, Fan Zhang, Richard Zhang,

"Modulation Schemes for a 30 MVA IGCT Converter using NPC H-Bridges"

Third Prize Paper Award

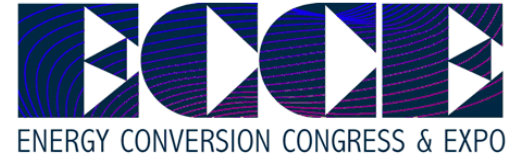
Mahesh M. Swamy,

"An Electronically Isolated 12 Pulse
Autotransformer Rectification Scheme to Improve Input
Power Factor and Lower Harmonic Distortion in Variable
Frequency Drives"



Reports from subcommittees

IAS transactions review



IAS transaction review
Leon Tolbert



Reports from subcommittees

Conference organization report



Conference organization report

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Digest submission: 1557, accepted paper: 988.
We received papers from 50 countries.
155 persons have served as topic chairs
to organize the review process.

Fellow and awards nomination

Bill Peterson

- Congratulations to Paolo Mattavelli, an IPCC Member, who was elevated to the IEEE Fellow grade, Class of 2015. Congratulations to his Nominator, too.
- Congratulations to Navid Zargari, an IPCC Member, who was elevated to the IEEE Fellow grade, Class of 2015. Congratulations to his Nominator, too.
- Congratulations to Robert D. Lorenz an IPCC Member, who was recipient of the 2014 IEEE Richard Harold Kaufman Award “For contributions to the development of methodologies and sensors for precision control of electric motor drives and coordinated drive systems.”



Reports from subcommittees

Fellow and awards nomination

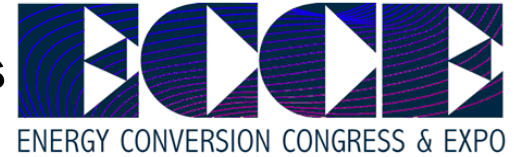


- Congratulations to Frede Blaabjerg an IPCC Member, who was recipient of the 2014 IEEE William E. Newell Power Electronics Award “For contributions to power electronics in renewable energy and adjustable speed drives.”
- Congratulations to Hamid A. Toliyat an IPCC Member, who was recipient of the 2014 IEEE Nikola Tesla Award “For contributions to the design, analysis, and control of fault-tolerant multiphase electric machines.”
- Nominations for the 2016 IEEE Richard Harold Kaufmann Award are due on January 31st 2015 and for the 2015 Gerald Kliman Innovator Award on June 1, 2015.
- Nominations of IAS outstanding achievement and IAS distinguish service award due on march 15th



IAS-PELS sponsored 2016 conferences

APEC 2016



The Premier Global
Event in Applied
Power Electronics™

APEC 2016

LONG
BEACH
California
March 20-24, 2016

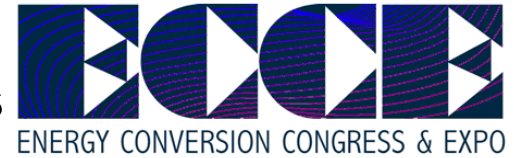
LONG BEACH CONVENTION & ENTERTAINMENT CENTER



APEC 2016 continues the long-standing tradition of addressing issues of immediate and long-term interest to the practicing power electronics engineer. Outstanding technical content is provided at one of the lowest registration costs of any IEEE conference.



IAS-PELS sponsored 2016 conferences PEMD 2016



The 8th IET International Conference on Power Electronics, Machines and Drives



19 – 21 April 2016 | The Hilton Hotel, Glasgow, Scotland, UK

Supporters and topic partners

Bodo's Power systems

ELECTRICAL
REVIEW

ELECTRONICS
WORLD

E&T



IET.tv

Industrial and Power Association
energy, environment, employment

Institution of
MECHANICAL
ENGINEERS

machines

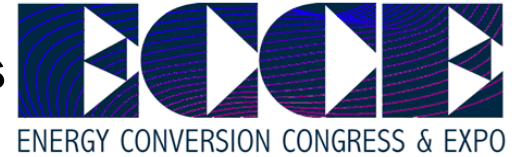
nmi
Semiconductors
to Systems

POWER
ELECTRONICSUK

Transport



IAS-PELS sponsored 2016 conferences ECCE-ASIA 2016



May 22 – May 25, 2016, Swan Lake Hotel, City of Hefei, China

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Sponsored by

CES
(China Electrotechnical Society)



IEEE-PELS
(IEEE Power Electronics Society)



Co-sponsored by

KIPE
(The Korean Institution of Power Electronics)



IEEJ-IAS
(The Institute of Electrical Engineers of Japan)



Supported by

HFUT
(Hefei University of Technology)



Important Dates

Deadline for digest submissions	Dec. 10, 2015
Deadline for tutorial proposals	Dec. 20, 2015
Notification for acceptance	Jan. 31, 2016
Final papers/copyright forms	Mar. 31, 2016



IAS-PELS sponsored 2016 conferences

SLED 2016



Introduction by

Prof. Maurizio Cirrincione



Compel 2016

Save the date

Compel 2016 will be arranged at:
The Norwegian University of Science and Technology – NTNU
Trondheim, Norway, 27 – 30 June, 2016

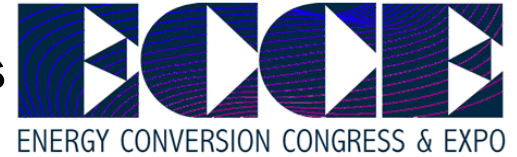
Important dates

FEB 27 Sat	all-day Digest Submission Deadline
APR 4 Mon	all-day Notification of Acceptance
MAY 15 Sun	all-day Early Registration Deadline
JUN 24 Fri	all-day Submission of Full Papers Deadline



IAS-PELS sponsored 2016 conferences

SPEEDAM 2016



Speedam 2016

June 22-24, 2016 - Anacapri

Capri Island - Italy

Deadlines

Provisional Full Paper	15 th November 2015
Acceptance Notification	15 th February 2016
Early Payment	15 th April 2016
Final Full Paper	30 th April 2016

**EPE
2016**

ECCE Europe, 5-9 September 2016,
Karlsruhe / Germany



18th European Conference on Power Electronics and Applications

Timeline

Get the [Call for Papers](#) now!

November 16, 2015

Receipt of Synopses

March 1, 2016

Notification of Provisional Acceptance

June 1, 2016

Deadline for Full Papers

Active Officers for 2015

- Dr. Bill Peterson – chair
- Prof Pericle Zanchetta – vice-chair
- Dr. Grant Pitel – secretary
- Prof Potai Cheng – past chair

Election of the new IPCC secretary 2016-2017

Nomination: [Prof. Luca Solero](#),

University of Rome III – Rome, Italy

Liaison Officers

- Prof. Toshihisa Shimizu (Japan) - Asian Liaison
- Dr. Pierluigi Tenca (Germany) – European Liaison
- Prof. Luca Solero (Italy) – European Liaison (To be replaced if elected Secretary)

Election of a Vice Transaction chair for 2016-2017

Prof. Leon Tolbert is Transaction chair for 2015-2017

A new officer is needed to handle the Prize papers awards selection procedure.

**Nomination: [Prof. Paolo Mattavelli](#)
University of Padova, Italy
(Past IPCC Transaction chair)**

Remember to submit your ECCE 2015 paper before November 15, 2015 to be included in the award evaluation

- **The 7-10 papers with the highest score from the first IAS Transaction review will go in final ballot**
- **The Vice-Chair will select an award committee with 5 members and each member will score each paper**
- **The score from the 5 members will be averaged to obtain the final list**

Tutorial suggestions/proposals for ECCE 2016

Volunteers and subjects:

1)

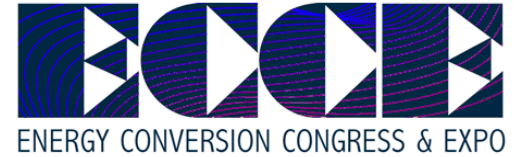
2)

3)

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Planning of ECCE 2016



Papers reviewers and session chairs needed for ECCE 2016

Business cards collected for reviewers and candidate session chairs. Names and email addresses will be collated.

See Grant Pitel for list of potential reviewers or for original presenter slides.



See you all next year!



Sept. 18 - 22, 2016 | Milwaukee, WI

- ▶ Abstract submission deadline: 15 Jan 2016
- ▶ Final submission deadline: 30 Jun 2016
- ▶ Notification of acceptance date: 30 Apr 2016

2016 ECCE Conference





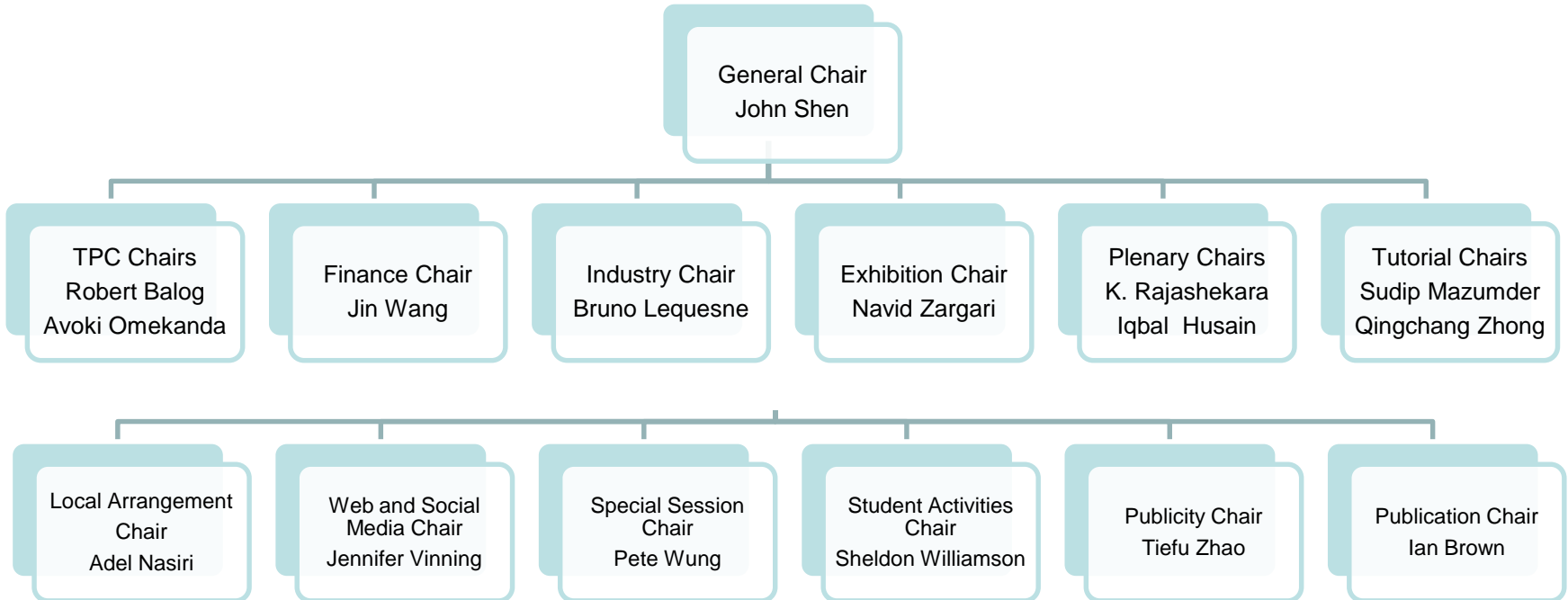
- Rich heritage: down-to-earth Midwest city, brewing legacy, Harley-Davidson Museum, soaring Milwaukee Art Museum, Milwaukee Public Market, etc.
- City of Festivals: Big-city entertainment at small-town prices, 150+ events per month, lake-front parks, shops, restaurants,
- A strong industry base: Eaton, Rockwell, Johnson Control, ABB, DRS, etc.
- A perfect size Convention Center

Easy Access

FLYING NONSTOP FROM MILWAUKEE ACROSS THE NATION



- Only 130 km from Chicago Airport (ORD) with hourly bus service to/from downtown Milwaukee
- 8-10 hours from major European cities
- 12 km from Milwaukee Airport (MKE) with non-stop flights to 35 US cities
- Easy access from train and freeways



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- 750 presentations
 - 12 parallel technical sessions
 - Special sessions
 - 1000 participants
 - 12 half-day tutorials
 - Half-day plenary session
 - Industry expo and seminars
 - Student activities

General Chair: Prof. John Shen johnshen@ieee.org

Technical Co-Chairs: Prof. Robert Bolag and Dr. Avoki Ome

- **Systems and Applications**
 - Renewable and Sustainable Energy Applications
 - Smart Grid and Utility Applications
 - Datacom and Telecom Applications
 - Transportation Electrification Applications
 - Energy Efficiency Systems and Applications
- **Core Technologies**
 - Power Converter Topologies
 - Controls, Modelling and Optimization
 - Electrical Drives
 - Electrical Machines
 - Components, Packaging, Integration, and Materials

- **TPC Chairs (2)**: Select and form TPC; facilitate and **monitor the review process**; finalize conference programs; **ONLY** make decision on “anomaly” papers (<1% and in consultation with at least 2 vice chairs)
- **TPC Vice Chairs (~10+10)**: Nominate and form subcommittees (Topic Chairs or TPC members); monitor the review process (frequent email and conference call communication); attend the TPC meeting in April; review and **decide** on Topic Chairs’ recommendations; assist in finalizing conference programs
- **TPC Topic Chairs (~70)**: Find and invite reviewers in the topic area; assign papers to reviewers and send reminders; review reviewers’ input and **make recommendations** to Vice Chairs



PELS & IAS Committees' Involvement



- Nominate TPC Vice Chairs (~20)
- Respond to invitations from TPC Chairs to serve as Topic Chairs (TPC members)
- Submit tutorial and/or special session proposals
- Review papers
- Solicit sponsors and exhibitors (at least your own organization)
- Voice your concerns and suggestions

YOU ARE THE BACKBONE OF ECCE!