

Important Dates

December 4, 2016	Submission of five (5) page digests
February 17, 2017	Notification of the review results
March 31, 2017	Final submission of accepted papers
March 31, 2017	Early registration at reduced rates ends.

Guidelines for Authors

Authors are invited to submit extended digests of previously unpublished and relevant work for the conference topics. Each digest should be prepared as a PDF not exceeding a maximum size of 2MB. The digests should be written only in English, use the single column template provided by the IEMDC organizers, and have a maximum of 5 pages, including figures, tables and references.

Digests will be reviewed by at least 3 independent reviewers. Accepted digests will have to be developed into a full paper to be presented at the conference and included in the conference proceedings and in the IEEEExplore data base. Registration and payment of fees by at least one author is required. Instructions about preparation and submission of digests and for the final versions of papers is posted on the conference website at www.iemdc.org

Special Sessions

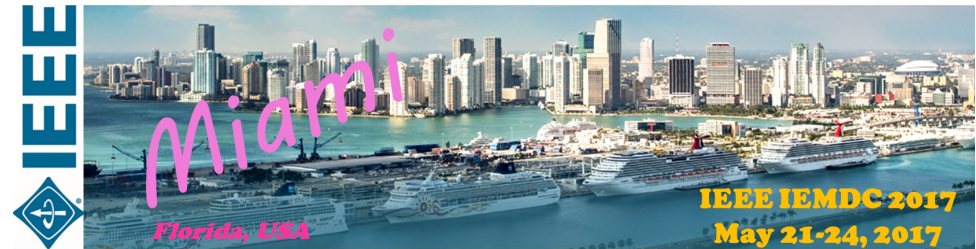
Proposals are welcome for new special sessions, in addition to those already included in the Topics Section of this Call for Papers. Each special session should contain 6 (six) papers. Proposals, including full contact information for the organizers, title, a brief description and the list of potential contributing authors, should be submitted by email to the Technical Program Chair, Professor Akira Chiba (chiba@ee.titech.ac.jp) before **March 12, 2016**. Following the approval of a special session, the session organizers are expected to work closely with the Technical Program Committee on the peer review process.

Tutorials

Proposals for tutorials on topics of timely interest should be submitted by email to the Tutorials Chair, Professor Bulent Sarlioglu (bulent@engr.wisc.edu), before **December 4, 2016**. Of particular interest are tutorials of direct interest to practicing engineers, with solutions to practical issues.

Technical Exhibits

IEMDC provides a unique opportunity to connect with company representatives and leading experts in electric machine and drives and related technologies in the high efficiency, alternate and renewable energy industries. Exhibitors will be able to influence a growing and interactive group of innovators and future users in these areas. The number of exhibitions is limited to 15 to be filled on a first come, first served basis. Exhibitor booths include a skirted 3' by 8' table, chairs and access to electricity. Backdrops are available upon request. More details, including terms and conditions, rates and benefits, are available by contacting directly the Exhibition Chair, Professor Babak Fahimi (fahimi@utdallas.edu).



IEEE IEMDC 2017 - Call for Papers

May 21-24, 2017, Hilton Miami Downtown, Miami, FL

Anniversary Edition

The IEEE International Electric Machines and Drives Conference - IEMDC has been established as a major event and held its inaugural edition in Milwaukee, WI, in 1997. Bi-annual follow up editions have been organized in Seattle, WA in 1999, Cambridge, MA in 2001, Madison, WI in 2003, San Antonio, TX in 2005, Antalya, Turkey in 2007, Miami, FL in 2009, Niagara Falls, Ont., Canada in 2011, Chicago, IL in 2013, and Coeur D'Alene, ID in 2015.

Scope

IEMDC provides an international forum for sharing experience, new ideas, and developments in design, operation, analysis, and practical application and optimization of electric machines, drive systems and components. IEMDC is a venue for users, designers and manufacturers, and analysts of electric machines and drives and their related power electronics and controls. The conference is jointly sponsored by the four IEEE power engineering sister societies: PES, IES, IAS, and PELS.

Venue

IEMDC 2017 will be held in beautiful and sunny Miami, FL, close to many touristic attractions and just across the causeway to Miami Beach and the art deco district.

Website and Contact

Updated information is posted at www.iemdc.org. For questions and comments, contact directly the General Chair, Professor Dan M. Ionel (dan.ionel@uky.edu).

IEMDC 2017 will include oral and poster technical sessions for papers describing original and previously unpublished work, plenary sessions with invited speakers, tutorials, and exhibits.

Contributions are invited from industry and academia. Accepted and presented papers will be published in the Conference Proceedings, will be indexed and made available in the IEEEExplore online database.

According to the current publication policy, papers presented at IEMDC may be submitted without or with modifications to IEEE Transactions on Industry Applications for peer review and possible publication. Modified IEMDC papers may be submitted for review to IEEE Transactions on Energy Conversion, IEEE Transactions on Industrial Electronics, or IEEE Transactions on Power Electronics, according to the rules specific to each Journal.

IEMDC Steering Committee

Babak Fahimi (USA) - Chair, Aldo Boglietti (Italy), Gerard Capolino (France), Ronald Harley (USA), Dan Ionel (USA), Robert Lorenz (USA), Osama Mohammed (USA), Steven Pekarek (USA), Mike Sedlak (USA), Hamid Toliyat (USA).

IEMDC 2017

Organizing Committee

Honorary Chair - Osama Mohammed (USA)

General Chair - Dan M. Ionel (USA)

Technical Program Chairs - Akira Chiba (Japan), Aaron Cramer (USA), Martin Doppelbauer (Germany), Ping Zhou (USA)

Tutorial Chair - Bulent Sarlioglu (USA)

Treasurer - Juan Farrah (USA)

Publication Chairs: Steven Englebretson (USA), Jiangbiao He (USA)

Publicity Chairs: Mircea Popescu (UK), Ronghai Qu (China), Tiefu Zhao (USA)

Exhibition Chair: Babak Fahimi (USA).



**IEEE International
Electric Machines
& Drives Conference**
Miami, FL - May 21-24 2017



Topics and Chairs

The scope of the conference includes technology advances in design, analysis, manufacturing and measurements for electrical machines and drives. Topics covered include rotating electrical machines; special machines, sensors, and actuators; electrical drives; condition monitoring, fault detection, noise and vibration; embedded applications. IEMDC 2017 will include oral and poster special (S) and general (G) technical sessions for papers describing original and previously unpublished work, plenary sessions with invited speakers, tutorials, and exhibits.

S1 Bearingless Motors

Junichi Asama (Japan), Wolfgang Gruber (Austria), Hiroya Sugimoto (Japan)

S2 Optimization for Electrical Machines

Dionysios Aliprantis (USA), Gerd Bramerdorfer (Austria), Katsumi Yamazaki (Japan), Shiyu Yang (China)

S3 High Speed Electrical Machines and Drives

Masahide Oshima (Japan), Bulent Sarlioglu (USA), Thomas Wu (USA)

S4 Motors for Transportation

Gurakuq Dajaku (Germany), Takashi Kosaka (Japan), Avoki Omekanda (USA)

S5 Drives for Transportation

Roy McCann (USA), Kiruba Haran (USA), Keiichiro Kondo (Japan), Julia Zhang (USA)

S6 Simulation Technology for Motors

Emad Dlala (USA), Weinong Fu (Hong Kong, China), Marius Rosu (USA)

S7 Condition Monitoring, Noise and Vibration

M. R. Barzegaran (USA), Yao Duan (USA), Prabhakar Neti (USA)

G1 Permanent Magnet Machines

Ronghai Qu (China), Wen Soong (Australia), Masatsugu Takemoto (Japan)

G2 Synchronous Machines

Edson C. Bortoni (Brazil), Mohammed El Kahel (Canada), Kai Wang (China), Jie Wu (China)

G3 Induction Machine

Wen-Ping Cao (UK), Andrea Cavagnino (Italy), Bernd Ponick (Germany)

G4 Reluctance Machines

Kan Akatsu (Japan), Dieter Gerling (Germany), Yilmaz Sozer (USA)

G5 Special Machines, Sensors and Actuators

M. Cheng (China), Chris Gerada (UK), Eunsil Han (South Korea), Ahmed Mohamed (USA)

G6 Synchronous Motor Drives

Yves Perriard (Switzerland), Jian-Xin Shen (China), Luca Solero (Italy)

G7 Induction Motor Drives

Radu Bojoi (Italy), Fernando Briz (Spain), Wilfried Hofmann (Germany), Kazuto Sakai (Japan)

G8 Design Related Problems

Emmanuel Agamloh (USA), Dingsheng Lin (USA), Mircea Popescu (UK).

G9 Magnetless or Reduced Magnet Machines for Emerging Applications

Christopher H.T. Lee (USA), T.W. Ching, (Macao), Wenlong Li (China).