



IEEE ENERGY CONVERSION CONGRESS & EXPO



Virtual Conference  Oct. 10-14

IAS INDUSTRIAL DRIVES COMMITTEE (IDC) MEETING

Friday October 15 2021

10:00 AM to 11:30 AM (EST)

Virtual Meeting

Agenda

1. Approvals of the Agenda and 2020 Meeting

Minutes: (<https://site.ieee.org/ias-idc/resources/>)

2. Old Business and Reports

- Vice-chair, Paper Review – Transactions Papers
- Vice-chair, Programs – Report on ECCE 2021
- Vice-chair, Standards Subcommittee
- Report on conferences held in 2021

3. Awards and Recognitions

- Awards Subcommittee 2021
- Conference Paper Awards
- Associate Editors
- Nagamori Awards

4. New Business

- Nomination of 2021 IDC Slate of Officers
- Submission of Papers to Transactions on Industry Applications
- Recruit Topic Chairs & Session Chairs for ECCE 2022
- Future Conferences (ECCE 2022 and other conferences)

5. Closing Remarks & Motion to Adjourn

1. Approvals of the Agenda and 2020 Meeting Minutes:
(<https://site.ieee.org/ias-idc/resources/>)

2. Old Business and Reports

- Vice-chair, Paper Review – Transactions Papers
- Vice-chair, Programs – Report on ECCE 2021
- Vice-chair, Standards Subcommittee
- Report on conferences held in 2021

2. Old Business and Reports

Vice-Chair Paper Review Report on Transactions Papers

Luca Zarri

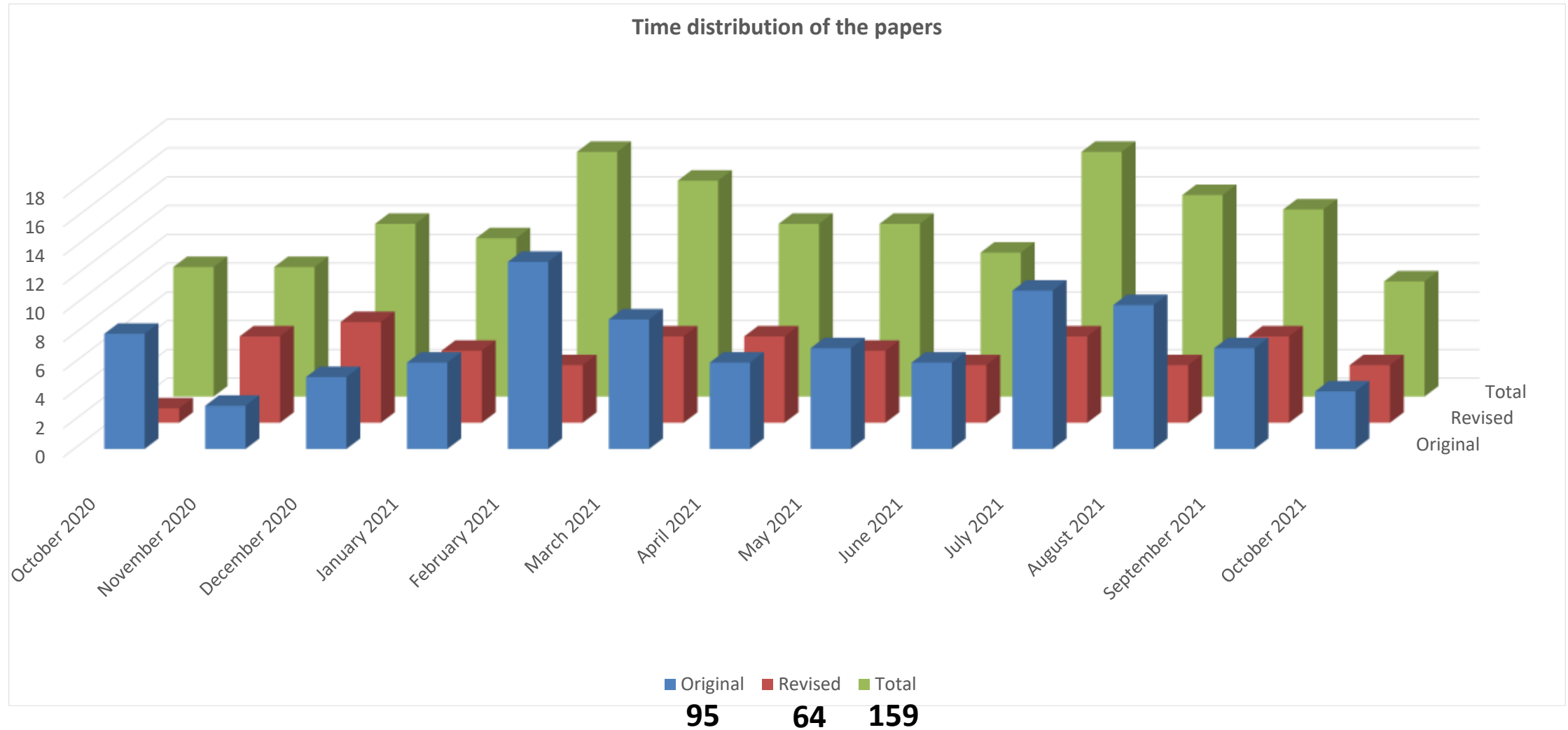
University of Bologna, Italy

Number of original submissions (new papers)

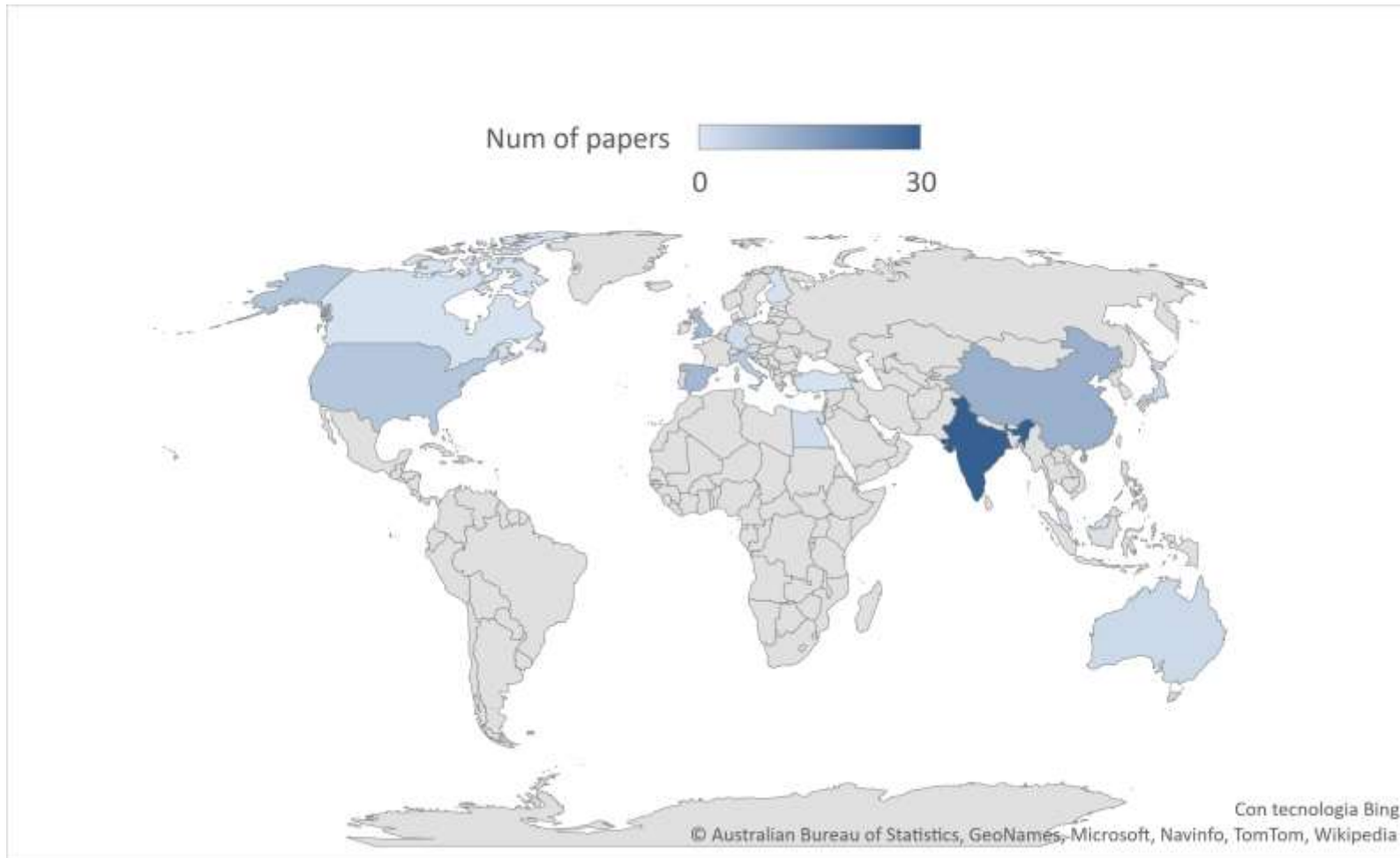
	Number of new submissions
October 9, 2020-October 9, 2021	95
Withdrawn papers	0
TOTAL	95
Papers invited and not submitted	20 (presumably, 12 papers won't come)
TOTAL	95

Previous years	Number of new submissions Papers (invited papers)
Oct. 2018-Oct.2019	98
Oct. 2019-Oct.2020	68 (89)
Oct. 2020-Oct. 2021	95 (111)

Time distribution of the submissions



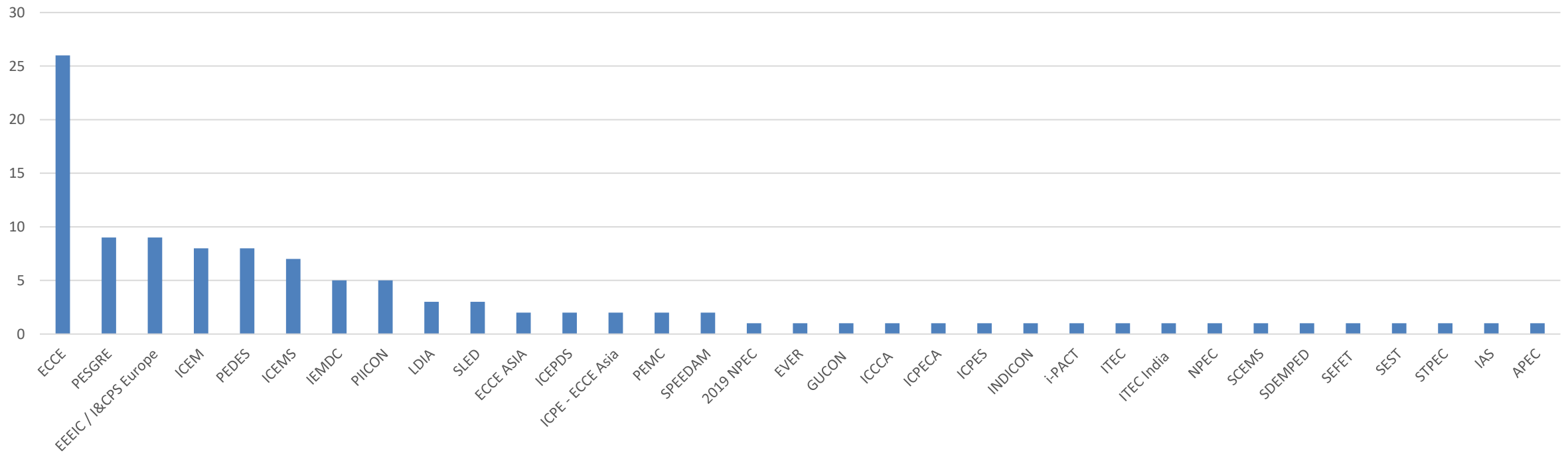
Country of the corresponding author (Oct 2020-Oct 2021)



Author Country/Region	Num of papers
Australia	3
Austria	2
Canada	1
China	12
Egypt	2
Finland	1
Germany	2
India	30
Italy	6
Japan	4
Korea (the Republic of)	2
Malaysia	1
Portugal	1
Qatar	0
Spain	10
Turkey	1
United Arab Emirates	1
United Kingdom of Great Britain and Northern Ireland	9
United States	7
Summary	95

Conferences where the submitted papers were originally presented (Oct 2020- Oct 2021)

INVITATIONS



Acceptance rate and days to final decision

Period: Oct. 9, 2020 – Oct. 9, 2021	Num. of papers with a final decision
Accepted papers	33
Rejected papers	33
Total	66 (36 in 2020)
Acceptance rate	%
Acceptance rate (2021)	50%
Acceptance rate (2020)	36%
Acceptance rate in 2019	45%
Acceptance rate in 2018	51%

	2021	2020	2019
Days to first decision	70	67	75
Days to final decision	105	96	117
Median	89	85	n.a.

Revisions necessary for the final decision

Period: Oct. 9, 2020 – Oct. 9, 2021	Num. of papers with a final decision
Accepted papers (R0)	0 (0%)
Accepted papers (R1)	22 (67%)
Accepted papers (R2)	10 (30%)
Accepted papers (R3)	1 (3%)
Total	33
Rejected (R0)	28 (85%)
Rejected (R1)	4 (12%)
Rejected (R2)	1 (3%)
Total	33

How to Submit Papers to IEEE Trans. on Ind. Applications

In order to be considered for publication in Transactions or the Magazine, authors must first present their work at an IAS sponsored conference and then request an invitation to submit a paper.

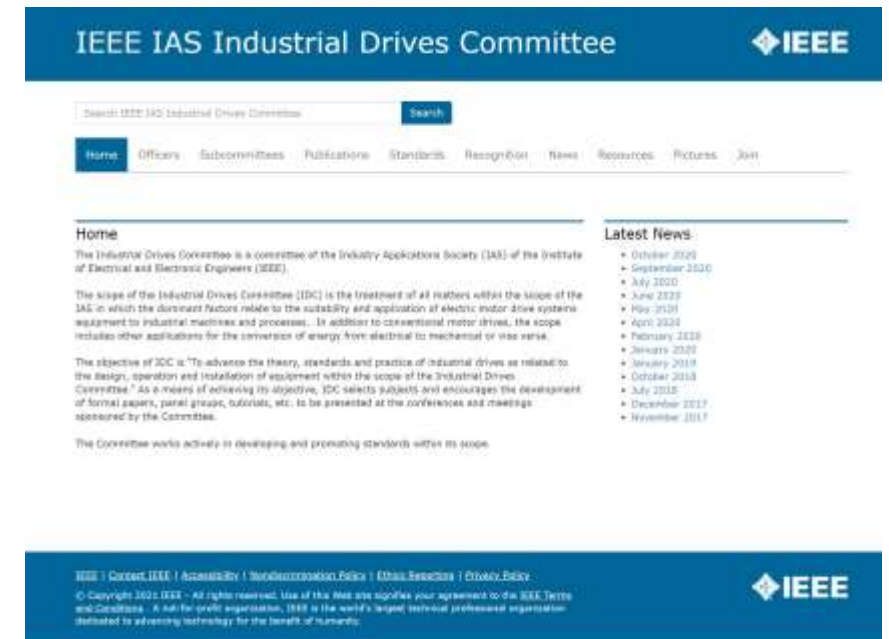
To request an invitation please send an email to the Publications Chair:

Luca Zarri (luca.zarri@ieee.org) in 2021

Jul-Ki Seok (doljk@ynu.ac.kr) in 2022 and 2023

Detailed instructions can be found on the section “Publications” in the IDC website:

<https://site.ieee.org/ias-idc/>



The screenshot shows the IEEE IAS Industrial Drives Committee website. The header includes the IEEE logo and the text "IEEE IAS Industrial Drives Committee". Below the header is a search bar and a navigation menu with links for Home, Officers, Subcommittees, Publications, Standards, Recognition, News, Resources, Pictures, and Join. The main content area is divided into two columns. The left column has a "Home" section with a heading and a paragraph of text. The right column has a "Latest News" section with a heading and a list of dates from October 2020 to November 2017. The footer contains the IEEE logo and a copyright notice: "© Copyright 2021 IEEE - All rights reserved. Use of this Web site signifies your agreement to the IEEE Terms and Conditions. A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity."

2. Old Business and Reports

Vice-Chair Programs – Report on ECCE 2021

Jul-Ki Seok

Yeungnam University, Korea

ECCE 2021 Technical Program Committee Members, Electric Drives

Vice-chairs: Jul-Ki Seok, Pinjia Zhang

Topic Chairs

- ❖ Brij Singh
- ❖ David D. Reigosa
- ❖ Di Pan
- ❖ Giacomo Scelba
- ❖ Jinia Roy
- ❖ Juan M. Guerrero
- ❖ Michele Mengoni
- ❖ Pescetto Paolo
- ❖ Peng Han
- ❖ Roberto Petrella
- ❖ Sandro Rubino
- ❖ Yang Xu
- ❖ Zhenbin Zhang

Thank you to all Topic Chairs!

ECCE 2021 Technical Program Committee Members, Electric Drives

- **No Live “Session and Duty”.**
- **One session chair is assigned to each session.**

Session Chairs

- | | |
|--------------------|------------------|
| ❖ Peng Han | ❖ Pinjia Zhang |
| ❖ Roberto Petrella | ❖ Luca Zarri |
| ❖ Jul-Ki Seok | ❖ Paolo Pescetto |
| ❖ Yang Xu | ❖ Giacomo Scelba |
| ❖ Mahesh Swamy | ❖ Kevin Lee |
| ❖ Pan Di | |

Thank you to all Session Chairs!

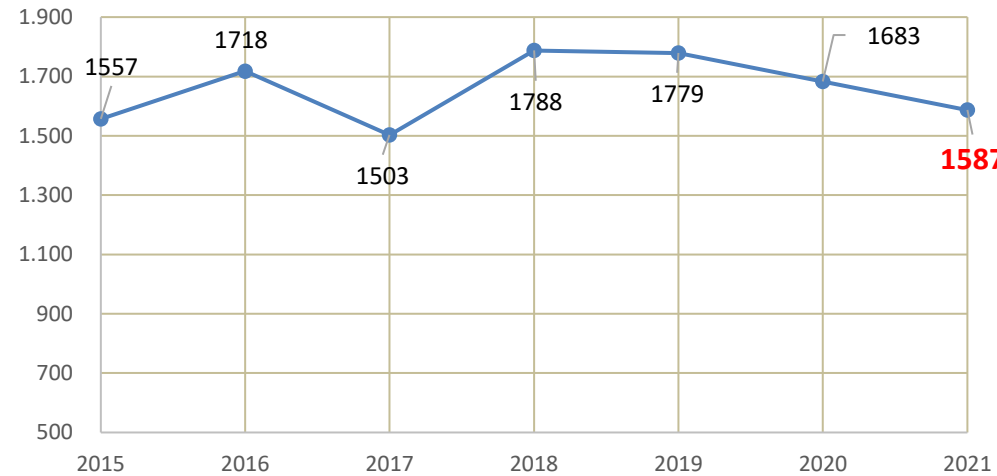
IDC Digest Submissions (162 digests)

Sub-tracks are reorganized. (15 → 13)

1. General	16
2. Induction motor drives	16
3. PM motor drives	22
4. Control of electric drives	31
5. Drive applications & Drive utility interface	5
6. Sensor-less drives	20
7. Monitoring, diagnostics, reliability and EMI	21
8. High speeds and direct drives	2
9. Energy efficient motor drives	2
10. Medium voltage drives and high-power drives	5
11. New technologies and integrated drives and standards	4
12. Electrical drives for aerospace and traction applications	17
13. Electrical drives for wind & other renewable integration	1

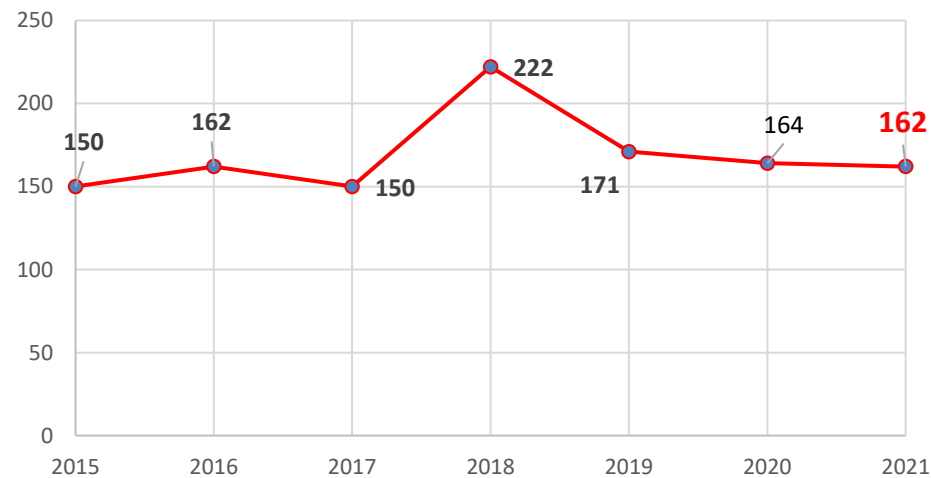
Yearly submission trends

ECCE submission



- 1587 submissions (-5.7%)
- 20 special session papers
- 46 tutorial papers

IDC submission

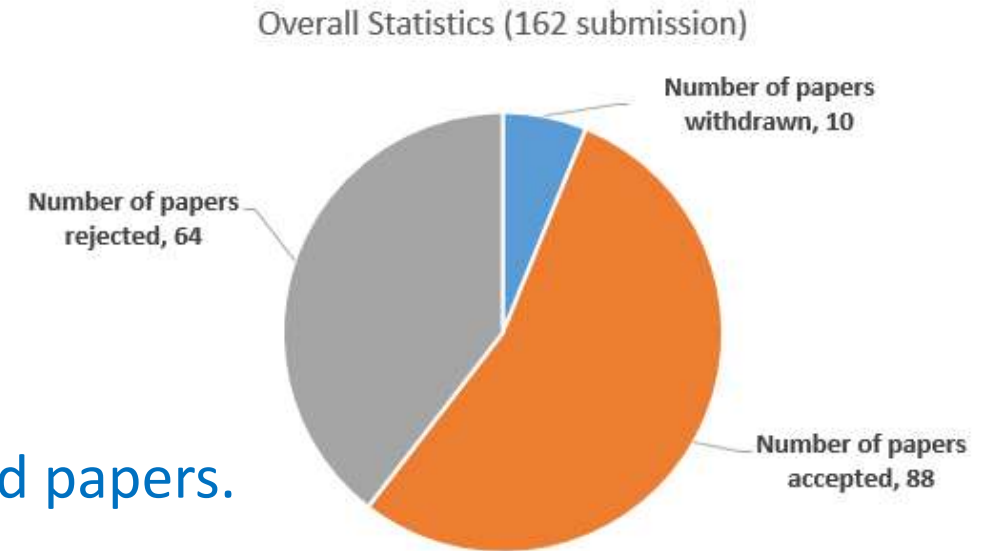


- 162 submissions (-1.2%)

Overall Statistics (2021)

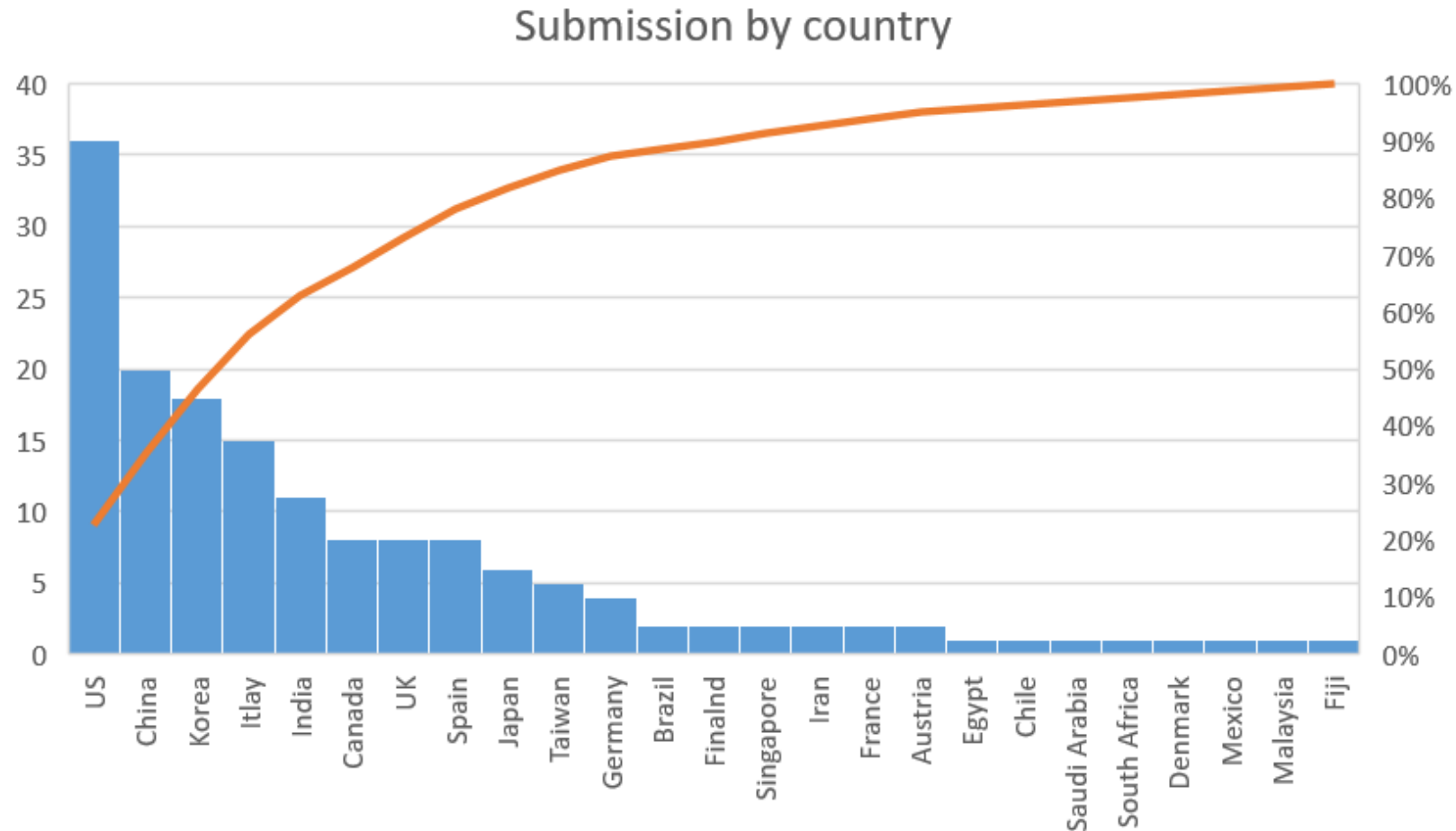
- **Number of digests: 162**
- Number of papers withdrawn: 10
- Number of papers accepted: 88
- Number of papers rejected: 64
- **The acceptance ratio is 57.8% for 152 reviewed papers.**
- 88 accepted papers were distributed into 16 technical sessions.

- Review Quality:
 - All papers with at least 4 reviews
 - **The average number of reviews per paper was around 4.7(4.2 last year).**



Submission by country based on the first author

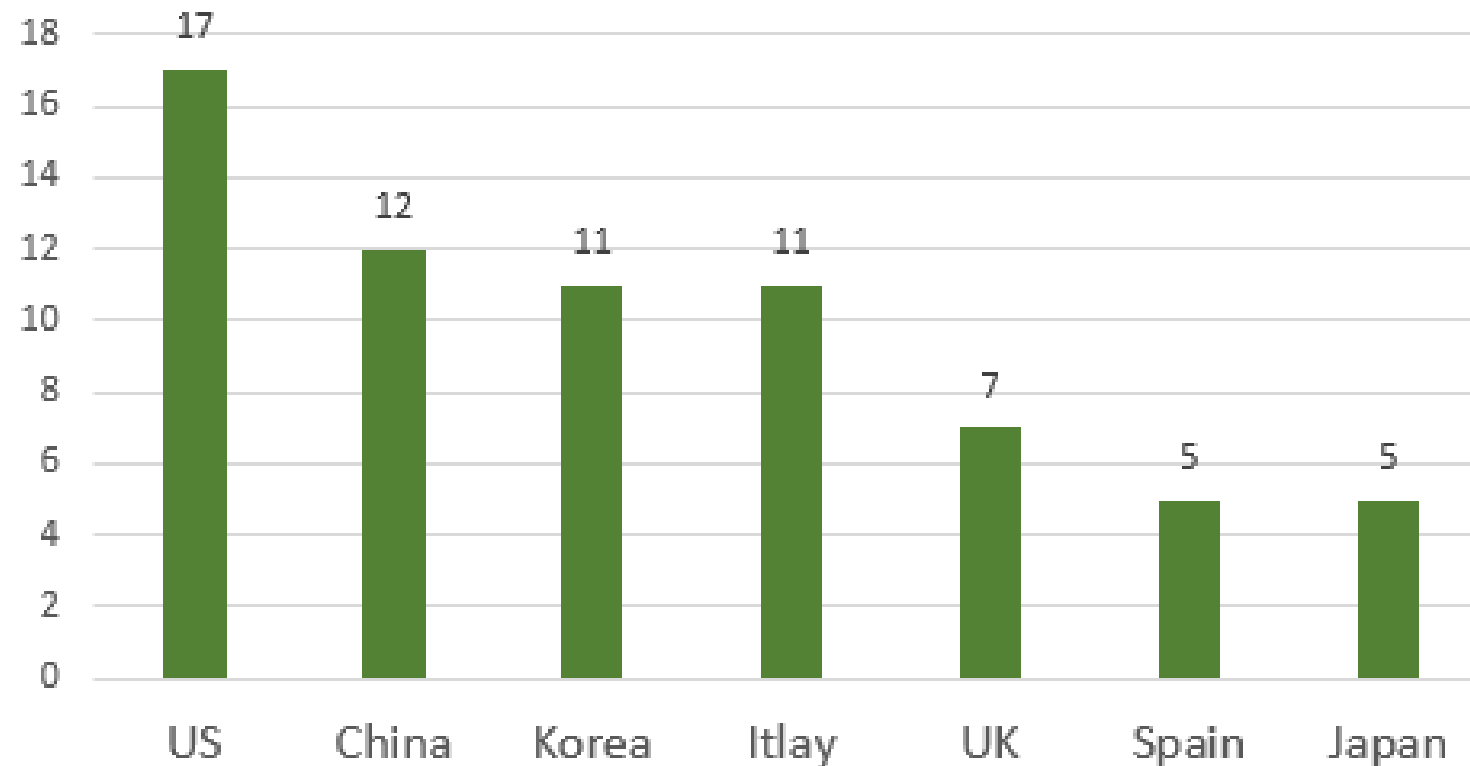
- 162 digests from 25 different countries
- United States (36) and China (20), followed by Korea (18), Italy (15), India (11), Canada (8), UK (8) and Spain (8).



Distribution of the accepted papers for the first author

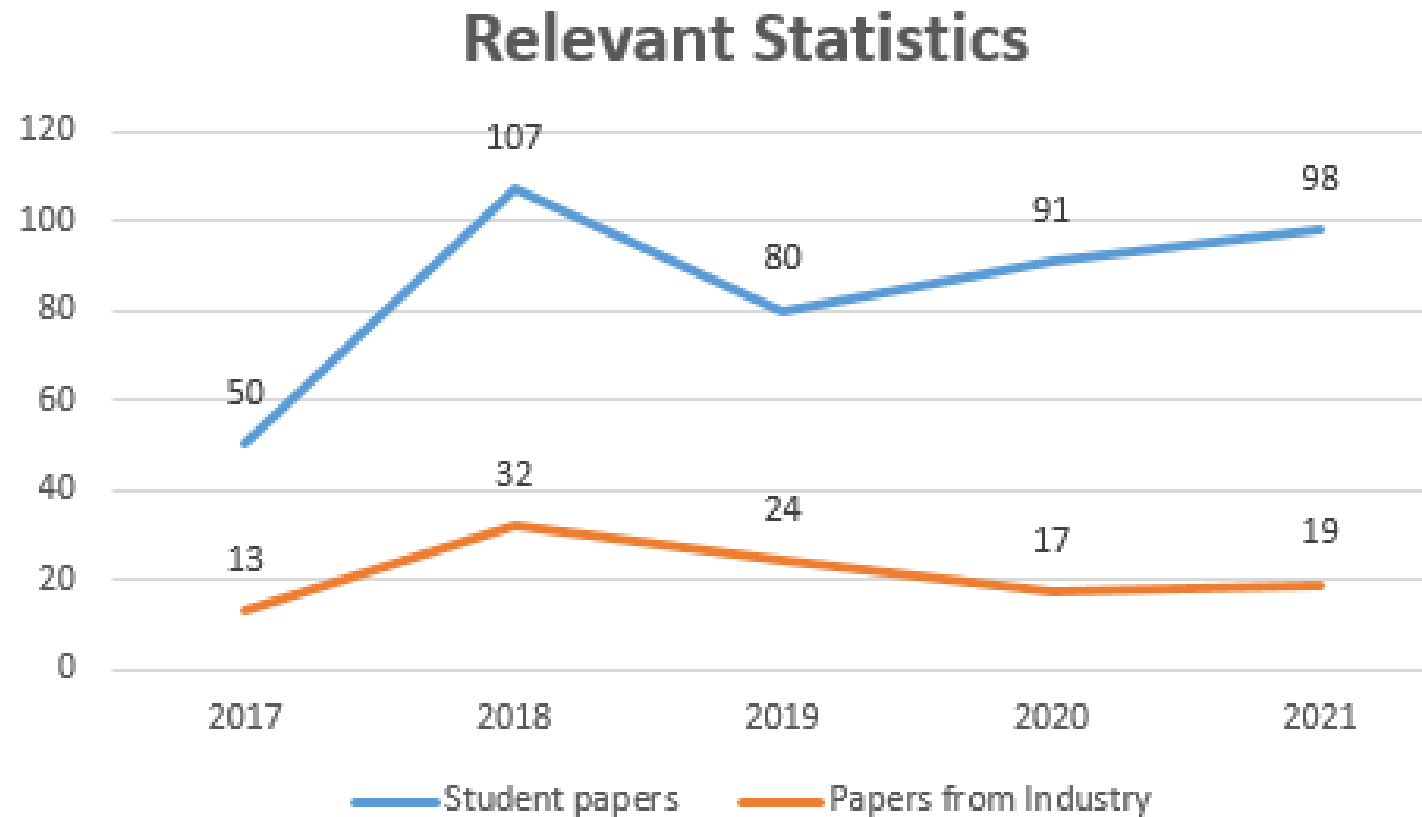
- About **77** percent of the accepted papers come from United States (17), China (12), Korea (11), and Italy (11), UK (7), Spain (5), and Japan (5).

Accepted papers by country (top 7)



Relevant Statistics

- Student papers: 98
- Papers from industry: 19



2. Old Business and Reports

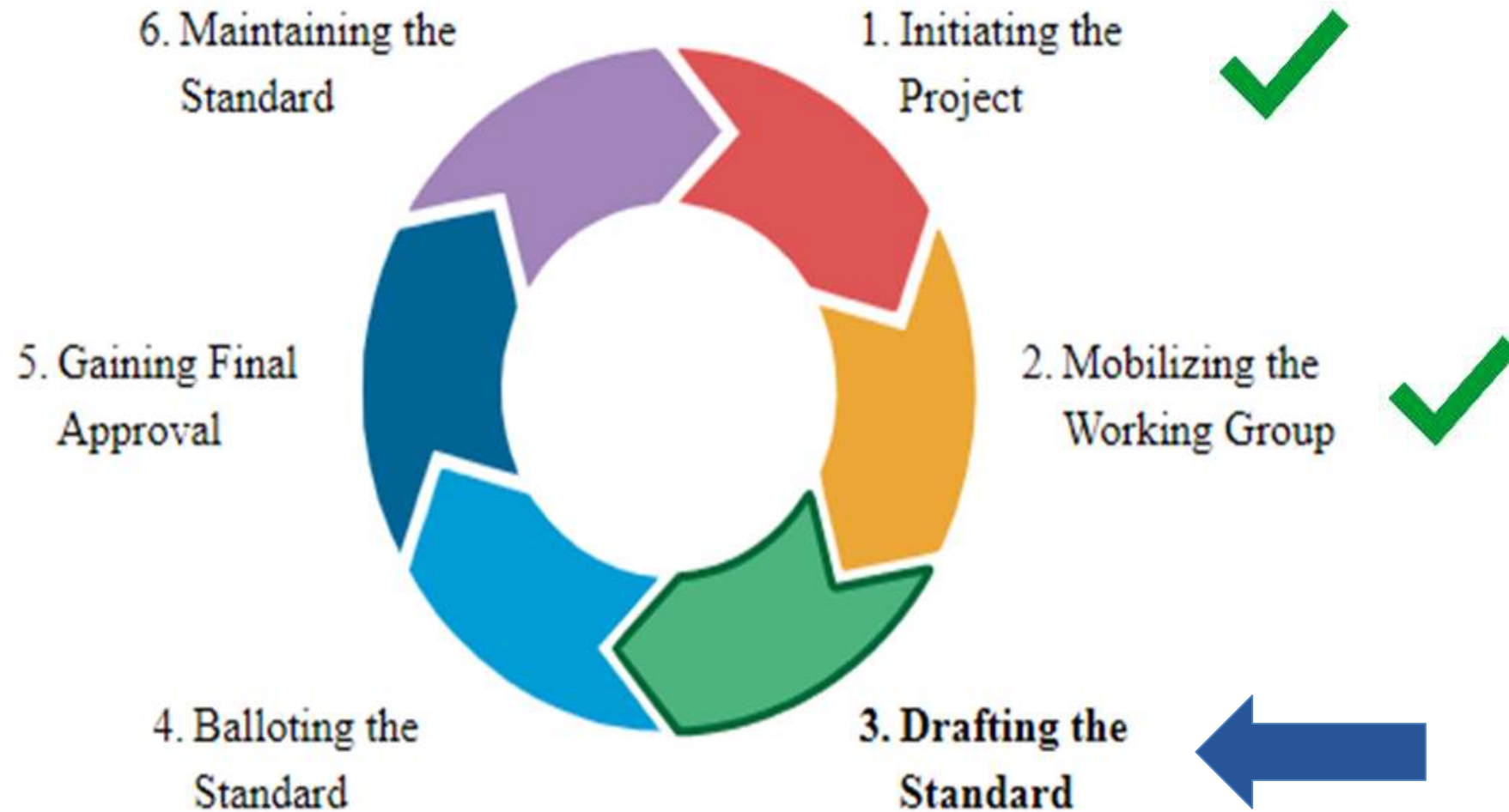
Standards Subcommittee

Kevin Lee (Chair), Jiangbiao He (Secretary)

Mission Statement of IDC Standards Subcommittee

- The goal of the Standards Subcommittee of the IEEE Industrial Drives group is to participate in the development of Standards and/or Practices pertaining to electric drive systems. Electric drive systems include but are not limited to all types of electrical motors and drives that are used for controlling torque and speed of said electrical motors.
- Participation is not limited to co-operating with other Standards groups or organizations within the IEEE and/or other technical bodies of the world but also includes taking a leading role in formulating new standards to facilitate meaningful applications of said standards in the industrial and commercial workplace.

Status of IEEE Standard Development



Timeline of P2943 Working Group Project

- Project Title: P2943-Energy Efficiency Test Methods for Three-Phase Variable Frequency Drive Systems.
- Scope Statement: This standard defines a common test protocol for determination of energy efficiency for motor drive systems, for an AC motor and a combination of a Variable Frequency Drive (VFD), AC motor, and ancillary equipment. Performance classifications for the said motor drive systems are also defined.
- Project Status: On September 24, 2020, the IEEE SA Standards Board approved the project.
- Project Timing: Until December 31, 2024.



Topics Working in Progress

Document Section	Task Leader(s)	Presentation Date	Status
General	Luis Rodriguez , Hassan Eldeeb	10/18/2021	On-going
System Settings	Joseba Arza, Mahesh Swamy	10/18/2021	On-going
Test Measurements	Fernando Briz, Di Pan	09/13/2021	To get started
Testing Procedures with regards to thermal equilibrium of system	Mahesh Swamy, Hassan Eldeeb	11/15/2021	To get started
Testing Procedures of Multi Drive System	Mahesh Swamy, Fernando Briz	12/13/2021	On-going
Load Test Schedule	Kevin Lee, Jiangang Hu	01/17/2022	To get started
Torque Offset Measurement	Eric Armando, Jiangang Hu	02/14/2022	On-going
System Sub-System Efficiency Calculations	Lei Hao, Zheyu Zhang, JiangBiao He	03/14/2022	To get started

Thank you all for your contribution!

Volunteers are welcome to participate.

3. Awards and Recognitions

Prize Papers and Awards Subcommittee

Milijana Odavic

University of Sheffield, UK, (Chair)

Awards Subcommittee

- Milijana Odavic, University of Sheffield, UK, (Chair)
- Kais Atallah, University of Sheffield, UK, (Vice-Chair)
- Davide Barater, University of Modena and Reggio Emilia, Italy
- Judith Apsley, University of Manchester, UK
- Pinjia Zhang, Tsinghua University, China
- Yuan Wu, Siemens Gamesa Renewable Energy, UK
- David Diaz Reigosa, University of Oviedo, Spain
- Nuno Miguel Amaral Freire, Siemens Gamesa Renewable Energy, Denmark
- Prerit Pramod, Nexteer Automotive, US
- Obrad Dordevic, Liverpool John Moores University, UK
- Ramakrishnan Raja, Halla Mechatronics, US

The review criteria for selecting Transaction Paper Nomination and ECCE2020 Paper Awards



- ❖ The review criteria included 6 specific quality indicators. A score from 0 to 5 was given for each of the below parameters.
 - A. **Readability** (Is the paper easy to read, do the conclusions follow from the data?).
 - B. **Use of Figures and Graphics** (Do the figures and graphics clearly illustrate the data?)
 - C. **Education** (Does the paper leads to a deeper understanding of the paper's subject?).
 - D. **Broad Interest** (Is the paper's topic of interest outside of a narrowly targeted audience?)
 - E. **Significance** (Is the paper's subject matter of significance in the paper's defined field of interest?)
 - F. **Impact** (Will the paper have an impact on future research and development?)

- ❖ The selection was based on the highest total scores. The highest scored papers had to satisfy a threshold set for combined scores of the Significance and Impact parameters.

Procedure for Selecting Transaction Paper Nomination

- ❖ The total of 50 papers recommended by IDC were published in the IEEE Transactions on Industry Applications in 2020 (Volume 56).

- ❖ The review process rules included:
 - Two members of the Sub-Committee (one coming from University, one coming from Industry) were assigned to review 10 papers.
 - The reviewers were assigned considering their nationality (the papers assigned to a reviewer were authored by people with different nationality).
 - Reviewers had to declare no conflict of interest for the papers assigned to them.
 - Papers authored by the same author were assigned to different groups of reviewers.

- ❖ One paper with the highest total scores and the highest combined scores for the Significance and Impact parameters was nominated for the Transactions Paper Awards.

Procedure for Selecting Conference Paper Awards

- ❖ The eligibility criteria for the IDC Prize Paper Awards included papers that were:
 - presented at ECCE 2020 ,
 - submitted to IEEE Transactions on Industry Applications (IDC) and
 - passed the first round of reviews.
- ❖ There were only six papers fulfilling the criteria.
- ❖ The task of the IDC Awards Sub-Committee was to rank the best three papers.
- ❖ Reviewers associated with the University of Sheffield (including the chair) and the University of Oviedo were excluded from the review process to avoid the potential conflict of interest, as two papers were from the University of Sheffield and one paper from University of Oviedo.
- ❖ Each paper was reviewed by six reviewers (as four reviewers were excluded from the process to avoid the conflict of interest and one reviewer was not available).
- ❖ Three papers with the highest total scores were selected. All the three papers satisfied a threshold set for the combined scores of the Significance and Impact parameters.

2020 IEEE ECCE Conference Paper Awards



First Prize Paper Award

Title: *A Novel Method for Measuring High Frequency DQ-axis and Cross-coupling Inductances in Interior Permanent Magnet Synchronous Machines*

Authors: B. Shuang and Z. Q. Zhu

Second Prize Paper Award

Title: *Prediction of Transient Voltage Distribution in Inverter-fed Stator Winding, Considering Mutual Couplings in Time Domain*

Authors: S. Sundeeep, J. Wang and A. Griffio

Third Prize Paper Award

Title: *Four-module three-phase permanent-magnet synchronous motor based on a PWM modulation strategy for suppressing vibrations and common mode current*

Authors: K. Liu, Z. Liu, D. Jiang, Q. Wang and Z. He

Associate Editors

- Davide Barater, University of Parma, Italy
- Roberto Petrella, University of Udine, Italy
- Prerit Pramod, Nexteer Automotive Corporation, USA
- Marcello Pucci, ISSIA-CNR, Italy
- Ramakrishna Raja, Halla mechatronics, USA
- David Díaz-Reigosa, University of Oviedo, SPAIN
- Giacomo Scelba, University of Catania, Italy
- Wei Xu, Huazhong University of Science and Technology (HUST), China
- Pinjia Zhang, Tsinghua University, China

Thank you to all Associate Editors for your help!

Nagamori Awards

Yasushi Nishimura

Nagamori Foundation

Our Mission: Nagamori Foundation

Support research and development engineers in the technical fields of motor, power generator, actuator, and other related technologies.

Nagamori Awards:

- Commend those who have made innovative technological development in the **motor related technical fields.**
- Applicants must be **entry to mid-career researchers and engineers.**
- Will be given to approximately **six people.** The Grand Nagamori Award winner will receive a prize of **5 million yen,** and each of the Nagamori Award winners will receive **2 million yen.**

Application Guideline for the 8th Nagamori Awards

Fields covered	Technical fields related to motors, actuators and power generators, and their control methods, application technologies, etc.
Applicant eligibility	Applicants must be entry to mid-career researchers or development engineers who have made an outstanding achievement in the fields covered by the Nagamori Awards. <u>Entry to mid-career – normally defined as no more than 30 years of research after obtaining the Bachelor’s degree.</u>
Application method	Self-nomination or nomination from academic institution are accepted. A recommendation letter by an expert in the field covered by the Awards, or a senior member of your Academic Society, organization, research department, etc. must be submitted.

Application Guideline for the 8th Nagamori Awards

Application period	November 01, 2021 - January 31, 2022 Applications must be postmarked on, or before, January 31, 2022
Application condition	Documents must be submitted in either English or Japanese.
Awards & prizes	Nagamori Awards will be given to approximately six people. The winner of The Grand Nagamori Award will be announced during the Awards ceremony. The Grand Nagamori Award winner will receive a prize of 5 million yen , and each of the Nagamori Award winners will receive 2 million yen .

*The 8th Nagamori Awards Ceremony will be held on September 4, 2022

Winners of The 7th Nagamori Awards

Tobias Geyer	R&D Platform Manager ABB System Drives
Tom Oomen	Full Professor, Department of Mechanical Engineering, Eindhoven University of Technology
Leila Parsa	Professor, Department of Electrical and Computer Engineering, University of California, Santa Cruz
Ronghai Qu	Professor, School of Electrical and Electronic Engineering, Huazhong University of Science & Technology
Akshay Kumar Rathore	Associate Professor, Graduate Program Director and Chair of Graduate Awards, Department of Electrical and Computer Engineering, Gina Cody School of Engineering and Computer Science, Concordia University
Jun Ueda	Professor, George W. Woodruff School of Mechanical Engineering, Georgia Institute of Technology

4. New Business

Nomination of 2021 IDC Slate of Officers

Past Chair – Industrial Drives Committee

Prof. Fernando Briz

University of Oviedo, Spain

4. New Business

New IDC secretary – Dr. Di Pan



- Di Pan was born in Kunming, China. He received his B.S. degree from Zhejiang University, Hangzhou, China in 2007
- M.S. and Ph.D. degrees from the University of Wisconsin, Madison, all in electrical engineering
- Currently with Electric Power at GE Global Research, Niskayuna, NY, USA
- Research interests: machine drive systems and power electronics, especially for traction and hybrid electric propulsion applications
- Senior member of IEEE and a member of Industry Application Society
- Served in organizing committees, and as topic and session chairs for various international conferences
- He is a member of IEEE Standard Working Group for Energy Efficiency Test Methods for Three-Phase Variable Frequency Drive Systems

4. New Business

Nomination of new IAS-IDC slate of officers

- Luca Zarri, Chair of the IAS Industrial Drives Committee



- Jul-Ki Seok, IDC Vice-chair Papers



- Kevin Lee, IDC Vice-chair Programs



- Di Pan, IDC Secretary



- Mahesh Swamy, Past Chair



Motion for approval

4. New Business



2021 IEEE ECCE Conference Paper Awards

The papers that are eligible for the IDC prize paper awards are those satisfying the following three requirements:

- *the papers must be presented at ECCE 2021*
- *the papers must be submitted to IEEE Transactions on Industry Applications*
- *the papers must receive a non-negative decision (acceptance or major revision) by March 31, 2022.*

Submit your papers to TIA!

4. New Business

Recruitment of Associate Editors

Looking for candidates

Send an email to Jul-Ki Seok and Luca Zarri

doljk@ynu.ac.kr and luca.zarri@ieee.org

4. New Business

ECCE2022 Topic Chairs

Looking for candidates

Send an email to Jul-Ki Seok and Kevin Lee (by Nov. 30 2021) –

doljk@ynu.ac.kr and kevin_lee@ieee.org

4. New Business

Presentation to ECCE 2022

ECCE 2022 Update

October 2021



IEEE ENERGY CONVERSION CONGRESS & EXPO **Detroit, Michigan, USA** Oct. 9-13



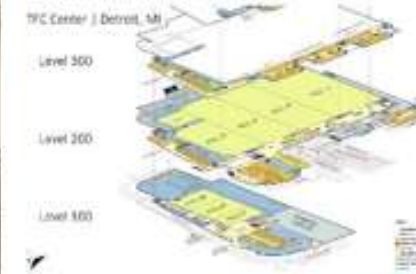
Motor City - Detroit

- Venue : Detroit, Michigan (TCF Center)
- Dates : October 9-13, 2022



TCF Convention Center:

- Award winning TCF Center
- Waterfront and outdoor river view terraces
- Excellent facilities



Hotel #1:

- ▣ Detroit Marriott at the Renaissance Center

Nice hotel at the landmark GM Renaissance Center



Hotel #2: Crowne Plaza Detroit Downtown Riverfront

2nd hotel with nice riverfront amenities



Attractions:

- Henry Ford Museum of American Innovation
 - Iconic Museum
 - **ECCE 2022 will hold Industry Networking Event in the Henry Ford Museum !!**



Attractions:

City of Detroit has many attractions !

- Ford Museum
- Motown Museum
- GM Renaissance Center
- Downtown Riverfront, River Tours
- Eastern Market
- Ford Piquette Avenue Plant
- Detroit Institute of Arts
- Detroit Jazz Festival
- Fox Theatre



Calendar:

For details visit our website:
<http://www.ieee-ecce.org/2022/>

Important dates

- Jan. 15th, 2022 – Deadline for digest submissions
- May 1st, 2022 – Decision notification for Digests

- Feb 11th, 2022 – Deadline for Tutorials
- April 8th, 2022 – Decision Notification for Tutorials

- April 1st, 2022 – Deadline for Special Sessions
- May 20th, 2022 – Decision Notification for Special Sessions

- July 1, 2022:
 - Final papers with copyright forms
 - Full tutorial Materials Due
 - Special Session Plans Due

ECCE 2022 Team (interim)

- General Chair: [Emmanuel Agamloh](#)
- Finance Chair: [Shanelle Foster](#)
- TPC Co-Chairs: [Navid Zargari](#), [Annette Muetze](#), [Mohammad Islam](#), [Andrea Cavagnino](#),
[Gerry Moschopoulos](#), [Brandon Grainger](#)
- Publication Chairs: [Jiangbiao He](#), [Xiaonan Lu](#), [Silvio Vaschetto](#)
- Local Chairs: [Abraham Gebregergis](#), [Al-Thaddeus Avestruz](#)
- Exhibit Chairs: [David Morrison](#), [Grant Pitel](#)
- Industry Partnership Chairs: [Avoki Omekanda](#), [Maz Chowdhury](#), [Joseph Song-Manguelle](#)
- Tutorial Chairs: [Pete Wung](#), [Xu She](#), [Xiaonan Lu](#)
- Special Session Chair: [Yue Cao](#), [Sara Roggia](#)
- Publicity Chairs: [Zheyu Zhang](#), [Zhi \(George\) Gao](#)
- Plenary Session Chair: [Yunwei \(Ryan\) Li](#), [John Shen](#)
- Student Activities Chair: [Xiu Yao](#), TBD
- Electronic Media Chair: [Anant Singh](#)
- Webmaster: [Dong Cao](#), [Yuan Li](#)
- Women in Engineering Chairs: [Norma Anglani](#), [Lijun, He](#); [Jin Ye](#),
- Awards Chair: [Akshay Rathore](#), TBD

We need volunteers, TCs, VCs, Reviewers!!

Promotional video link:

https://www.ieee-ecce.org/2022/wp-content/uploads/sites/9/2021/09/ECCE-2022-Publicity-Video.mp4?_=1



See you in Detroit, October 9-13, 2022!

XXV International Conference on Electrical Machines (ICEM2022)

Valencia Conference Centre
Valencia - SPAIN
September 5-8, 2022



Organized by:



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DE VALÈNCIA

With support from:



Technical co-sponsors:



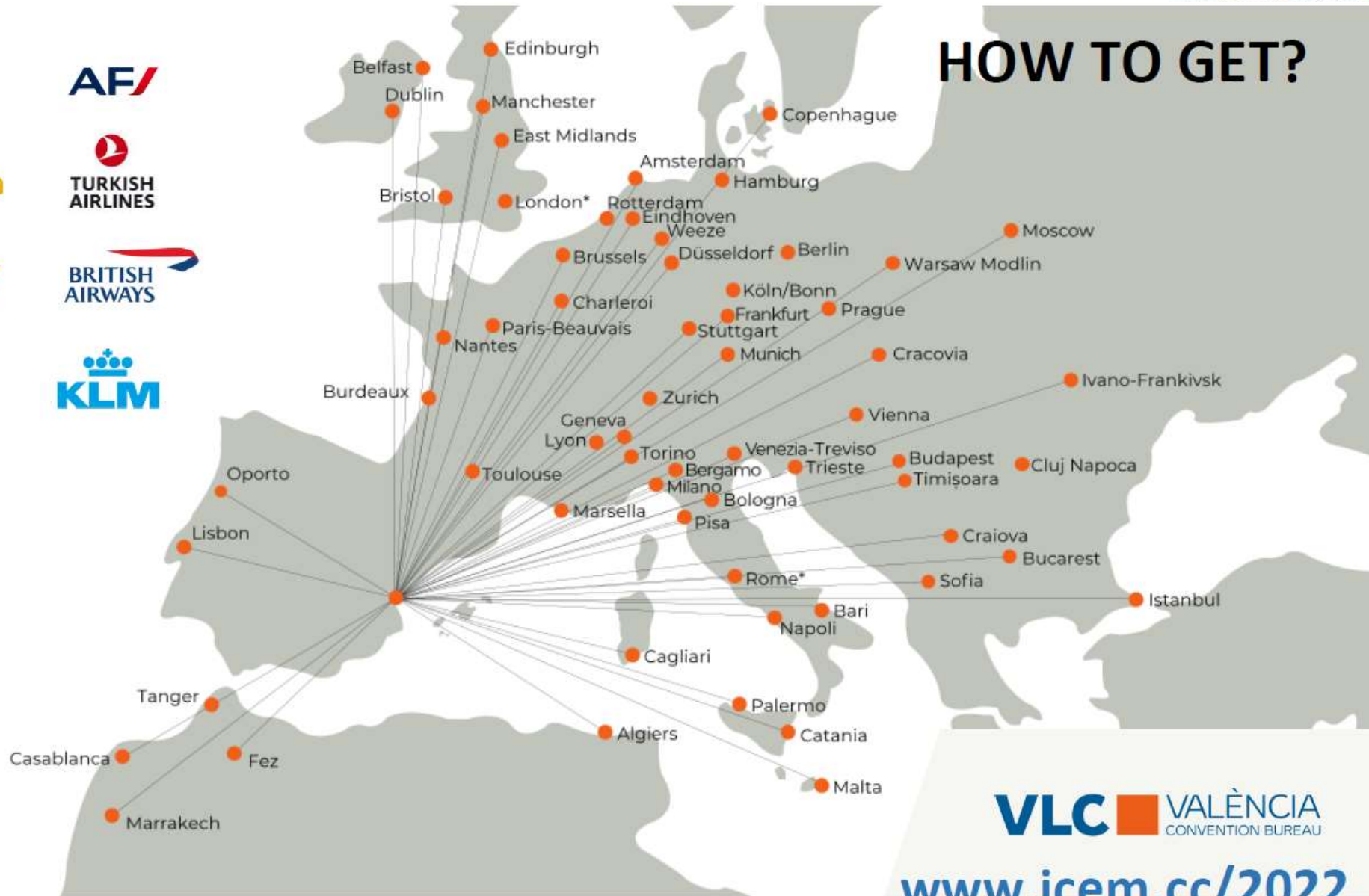
www.icem.cc/2022

VALÈNCIA

- Valencia was founded in 138 BC
- Third largest city in Spain
- Population < 1,000,000
- Average temperature 19C
- Largest port on the Mediterranean western coast
- Birthplace of the famous dish Paella
- Turia Gardens (former river Turia), from flooded area to Europe's largest urban park



HOW TO GET?



www.icem.cc/2022



València Conference Centre

- World's Best Convention Centre in 2010 & 2018
- 3 auditoria (1,481; 500 & 259 pax. each)
- 8 break out rooms
- 5 multipurpose rooms
- 2.500 m² exhibition area
- WIFI for 3.000 devices
- Latest generation projectors with laser and DLP technology
- Up to 21 additional meeting rooms at hotels nearby
- SDG Project: aligned with the 17 UNO Sustainable Development Goals.

www.icem.cc/2022

A FLAGSHIP BUILDING

DESIGNED BY THE ARCHITECT NORMAN FOSTER



2,900
EVENTS HELD

+ 2 MILLION
VISITORS

**AVANT-GARDE
TECHNOLOGY**

www.icem.cc/2022

ICEM'2022 COMMITTEE:

- **General Co-Chairs:** José Antonino Daviu (SPAIN), Gérard-André Capolino (FRANCE)
- **Technical Program Chairs:** Aldo Boglietti (ITALY), Luca Zarri (ITALY), Anouar Belahcen (FINLAND), Carlos Platero (SPAIN), Shafiqh Nategh (SWEDEN)
- **Tutorials Co-Chairs:** Ayman El-Refaie (USA), Antonios Kladas (GREECE), Javier Poza (SPAIN)
- **Special Session Co-Chairs:** Humberto Henao (FRANCE), Konstantinos Gyftakis (UK), Roque A. Osornio-Rios (MEXICO), Daniel Moríñigo Sotelo (SPAIN)
- **Student Forum Co-Chairs:** Óscar Duque (SPAIN), Mohamed Boussak (FRANCE), Epaminondas Mitronikas (GREECE), Joaquín González Norniella (SPAIN)
- **Exhibition Co-Chairs:** Richard Grisel (FRANCE), Pedro Llovera-Segovia (SPAIN), Yujing Liu (SWEDEN)
- **Awards Chair:** Gérard-André Capolino (FRANCE)
- **Publication Co-Chairs:** Antonio Luque (SPAIN), Vicente Biot Monterde (SPAIN)
- **Local committee:** Marta García Pellicer, Alfredo Quijano López, Vicente Fuster Roig, Pedro Llovera Segovia, Ignacio Casado, Alejandro Almela, Luis Serrano, Daniel Moríñigo, Óscar Duque, Javier Poza, Francisco Blázquez, Joaquín González Norniella, Mario Durán, Ignacio González

ICEM'2022 TECHNICAL TRACKS:

1. **Rotating machines:** Antonio M Cardoso (Portugal), David Díaz Reigosa (Spain), Rukmi Dutta (Australia), Maarten Kamper (South Africa), Lassi Aarniovuori (Finland), Ignacio González Prieto (Spain)
2. **Design Issues:** Giulio De Donato (Italy), Nouredine Takorabet (France), Ayman EL-Refaie (USA), Michael Galea (UK), Francisco Blázquez (Spain)
3. **Special Machines:** Akira Chiba (Japan), Ronghai Qu (China), Michele Degano (UK)
4. **Thermal and losses issues – Magnetic insulation materials:** Andrea Krings (Germany), Marco Cossale (Switzerland), Luca Ferraris (Italy), Nick Simpson (UK)
5. **Electrical drives:** Gianmario Pellegrino (Italy), Hinkkanen Marko (Finland), Shafiq Odhano (UK), Radu Bojoi (Italy)
6. **Diagnostic and condition monitoring:** Thomas Wolbank (Austria), Raphael Romary (France), Lucia Frosini (Italy), Sang Bin Lee (South Korea)



Preliminary deadlines

- Submission of Special Sessions proposals:
December 15, 2021
- Submission of Tutorials proposals:
February 15, 2022
- Full paper submission:
February 15, 2022
- Full paper notification:
May 15, 2022
- Final paper upload after revision:
June 15, 2022

Expected date for opening the paper submission system:

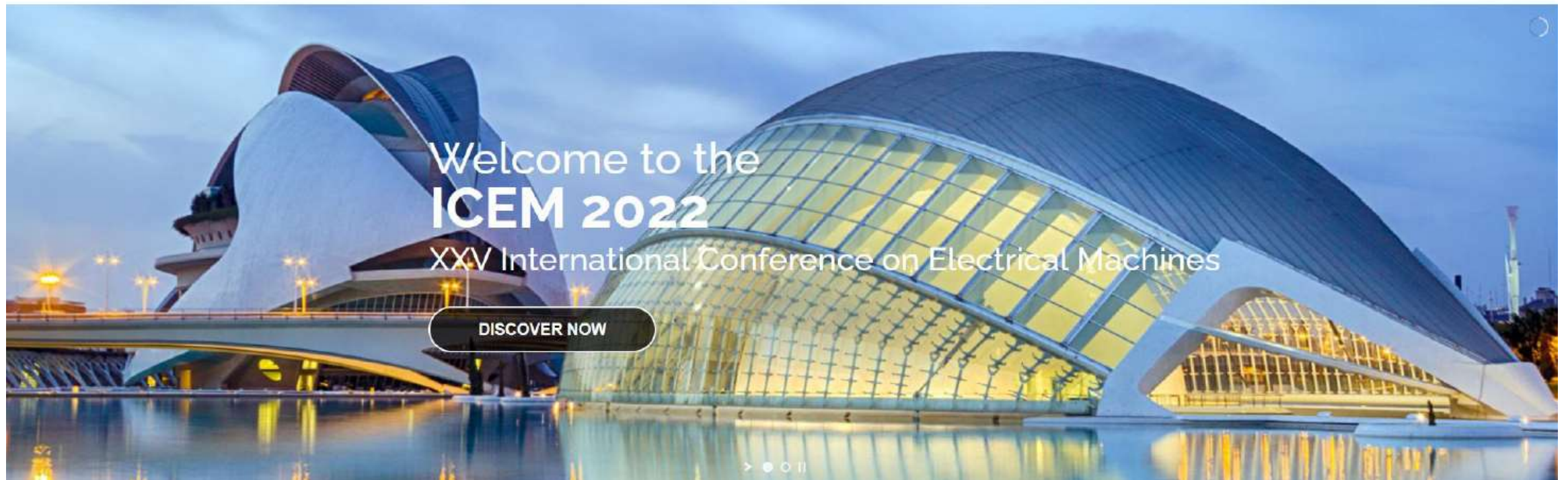
3rd week of October 2021

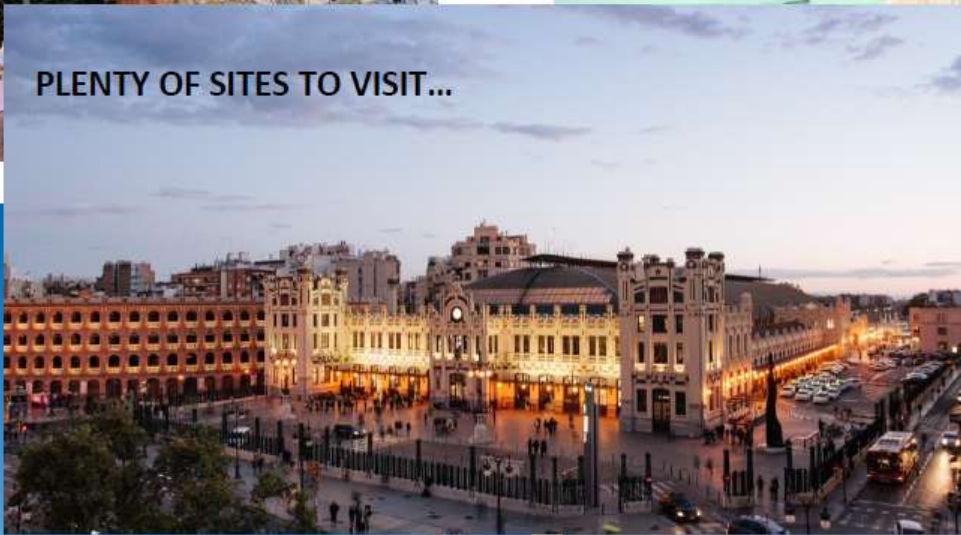
Website & cfp ready: www.icem.cc/2022

ICEM2022 VALENCIA
XXV International Conference on
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5. Closing Remarks & Motion to Adjourn