

EPTC 2018

20th Electronics Packaging Technology Conference
4th – 7th Dec 2018, Resorts World Sentosa, Singapore

IEEE EPS Flagship Conference
In Asia Pacific Region

CALL FOR PAPERS

ABOUT EPTC

The 20th Electronics Packaging Technology Conference (EPTC 2018) is an International event organized by the IEEE RLS/EPG/EDS Singapore Chapter and sponsored by IEEE Electronics Packaging Society (EPS).

EPTC 2018 will feature keynotes, technical sessions, short courses, forums, an exhibition, social and networking activities. It aims to provide a good coverage of technology developments in all areas of electronics packaging from design to manufacturing and operation. It is a major forum for the exchange of knowledge and provides opportunities to network and meet leading experts. This year, to commemorate the 20th anniversary of EPTC, one extra day of special events will be added to the conference program.

Since its inauguration in 1997, EPTC has developed into a highly reputed electronics packaging conference in the Asia-Pacific and is well attended by experts in all aspects of packaging technology from all over the world. EPTC is the flagship conference of IEEE EPS in Region 10.

CONFERENCE TOPICS

You are invited to submit an abstract, presenting new developments in the following categories:

- ❑ **Advanced Packaging:** Advanced Flip-chip, 2.5D & 3D, PoP, embedded passives & actives on substrates, System in Packaging, embedded chip packaging technologies, Panel level packaging, RF, Microwave & Millimeter-wave, Power and Rugged Electronics Packaging etc.
- ❑ **TSV/Wafer Level Packaging:** Wafer level packaging (Fan in/Fan out), embedded chip packaging, 2.5D/3D integration, TSV, Silicon & Glass interposer, RDL, bumping technologies, etc.
- ❑ **Interconnection Technologies:** Au/Ag/Cu/Al Wire-bond / Wedge bond technology, Flip-chip & Cu pillar, solder alternatives (ICP, ACP, ACF, NCP, ICA), Cu to Cu, Wafer level bonding & die attachment (Pb-free) etc.
- ❑ **Emerging Technologies:** Packaging technologies for MEMS, biomedical, optoelectronics, Internet of things, photo voltaic, printed electronics, wearable electronics, Photonics, LED, etc.
- ❑ **Materials and Processing:** advanced materials such 3D materials, photoresist, polymer dielectrics, solder materials, die attach, underfill, Substrates, Lead-frames, PCB etc for advanced packaging, and assembly processes using advanced materials
- ❑ **Equipment and Process Development & Automation:** processes development, equipment automation, process and equipment hardware improvements, data analytics, in-situ metrology.
- ❑ **Electrical Simulation & Characterization:** Power plane modeling, signal integrity analysis by simulations and characterization. 2D/2.5D/3D package level high-speed signal design, characterization and test methodologies.
- ❑ **Mechanical Simulation & Characterization:** Thermo-mechanical, moisture, fracture, fatigue, vibration, Shock and drop impact modeling, chip-package interaction, etc.

- ❑ **Thermal Characterization & Cooling Solutions:** Thermal modeling and simulation, component, system and product level thermal management and characterization
- ❑ **Quality, Reliability & Failure Analysis:** Component, board, system and product level reliability assessment, Interfacial adhesion, accelerated testing, failure characterization, etc. Others are also welcomed, e.g. Market trends, Environmental, legislation, Patents, Education, Cost Analysis

IMPORTANT DATES

Online abstract submission start	30 th Mar 2018
Closing of abstract submission	15 th June 2018
Notification of acceptance	15 th July 2018
Submission of manuscript	15 th September 2018

ABSTRACT AND PAPER SUBMISSION

Abstracts are solicited which describe original and unpublished work. The abstract should be at least 500-750 words long and clearly state the purpose, methodology, results (including data, drawings, graphs and photographs) and conclusion of the work. Key references to prior publications should be included in the abstract as well. Authors can choose between oral or interactive presentation. Accepted papers that are registered and presented (oral & interactive) at the conference will qualify for publication in IEEE Xplore.

All submissions must be in English and should be made via the online submission system found at <http://www.eptc-ieee.net>. The required file format is Adobe Acrobat® PDF or MS Word in one single file for each submission.

The abstracts must be received by 15th June 2018. Authors must include their affiliation, mailing address, telephone number and email address. Authors will be notified of paper acceptance and publication instruction by 15th July 2018. The final manuscript for publication in the conference proceedings is due by 15th September 2018. The conference proceedings is an official IEEE publication and accepted papers will be available in IEEE Xplore.

BEST PAPER AWARDS

Awards will be given to the best oral papers from Academia, Industry and Students, and to the best interactive papers from Student and Open categories. More details can be found at <http://www.eptc-ieee.net>

CALL FOR SHORT COURSES

The conference program includes short courses which will be conducted by leading experts in the field. Details will be updated in the conference website. Proposals for short courses can be submitted to pdcc@eptc-ieee.net

CALL FOR EXHIBITION / SPONSORSHIP PARTICIPATION

A tabletop exhibition featuring suppliers of materials, equipment and services to the microelectronics packaging and assembly industries, will be held during the conference. For details, please e-mail to exhibition@eptc-ieee.net and sponsorship@eptc-ieee.net.

EPTC 2018: website: <http://www.eptc-ieee.net> Email: secretariat@eptc-ieee.net Join us on: LinkedIn [EPTC OC]



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