

April 2022

*Currents*



IEEE Council on Electronic Design Automation

### **2021 Phil Kaufman Award Ceremony and Banquet on 12 May in San Jose, CA, USA**

Join our industry's most prestigious event, the Phil Kaufman Award ceremony and on 12 May at the Glasshouse, San Jose. We will honor our 2021 Phil Kaufman Award recipient Anirudh Devgan, President & CEO of Cadence.

The evening includes a networking reception with hors d'oeuvres, an open bar serving cocktails, beer, wine, and live music for your enjoyment. After the reception dinner as we kick off the 2021 Phil Kaufman Award presentation and hear from invited speakers who will speak about our honoree and the accomplishments he has made to our industry.

To learn more and to register [click here](#).

### **2022 Design Automation Webinars**

We are thrilled to announce Design Automation WebiNar (DAWN) to drive research momentum and ensure our community remains at the cutting edge. Different from conventional keynote and individual speaker webinars, DAWN is a special-session-style webinar. DAWN is formed by multiple presentations on focused topics by leading experts in our community.

DAWN 2022 will be hosted via Zoom on 11 and 12 April from 10:00 AM-11:20 AM each day. The two-day webinar will feature eight talks - 15-minute presentations followed by a 5-minute Q&A.

Talk titles include: Hardware/Software Co-Exploration of Neural Architectures; AMBOOM-Explorer: RISC-V BOOM Microarchitecture Design Space Exploration Framework; APOLLO: An Automated Power Modeling Framework for Runtime Power Introspection in High-Volume Commercial Microprocessors; Gemini: Enabling Systematic Deep-Learning Architecture Evaluation via Full-Stack

Integration; DREAMPlace: Deep Learning Toolkit-Enabled GPU Acceleration for Modern VLSI Placement; TreeNet: Deep Point Cloud Embedding for Routing Tree Construction; Intermittent-Aware Neural Architecture Search; and A GPU-accelerated Deep Stereo-LiDAR Fusion for Real-time High-precision Dense Depth Sensing.

Registration is free but required. Learn more by visiting the [CEDA website](#).

### **CAD for Assurance Webinar April 22**

The [CAD for Assurance](#) webinar series is an educational initiative that provides CEDA members with access to relevant CAD tools to use. This includes information on major CAD tools the research community has developed over the past decade, including open-source license-free or ready-for-licensing tools, associated metrics, relevant publications, and video-demos.

The series will continue on 22 April 2022 with two talks "QFlow: Quantifying Data Leakage for RTL IP" by Lennart Reimann of RWTH Aachen University; and "QIF-RTL: A New Secure Hardware Description Language" by Xiaolong Guo of Kansas State University.

Registration is free for the webinars, however is required in order to attend. Additional information can be found on the CEDA CAD for Assurance [website](#).

### **Registration Now Open for DAC 2022!**

The 59th edition of the Design and Automation Conference will be held on 10-14 July 2022 in San Francisco, CA, USA. The popular "I Love DAC" registration option is now open through 10 June. Advanced registration rates are available from 5 April -10 June. For a full list of paper and registration timelines, visit the [DAC website](#).

## Save the Date for DATE 2023!

The virtual conference DATE 2022 has come to an end and we hope you have heard interesting talks and participated in lively discussions. On behalf of the whole DATE Executive Committee, we would like to express our sincere thanks for your participation in this year's DATE edition.

The virtual conference platform will remain available until Sunday, 24 April 2022 (AoE), so you can watch the recordings of all live sessions on demand. Presentations and recordings can be viewed according to your bookings for DATE 2022.

[DATE 2023](#) will be chaired by Ian O'Connor, University of Lyon, FR and will take place in Antwerp, Belgium, from 17 to 19 April 2023. The short [call for papers](#) is available on the DATE website. The deadline to submit is 18 September 2022.

If you like to stay updated on future DATE Conferences, [please subscribe to the DATE newsletter](#).

## 2022 Awards Nominations Deadlines

The IEEE Council on Electronic Design Automation is soliciting nominations for its awards. To view the full detailed listing of each award, please visit the awards page on our [website](#).

### Nomination Deadline: 15 April 2022

The [Ernest S. Kuh Early Career Award](#) recognizes an individual who has made substantial contributions to the area of Electronic Design Automation in the early stages of his or her career.

### Nomination Deadline: 30 June 2022

The [Phil Kaufman Award for Distinguished Contributions to Electronic Design Automation](#) is jointly sponsored by the [ESD-Alliance](#) and the IEEE Council on Electronic Design Automation and honors an individual who has had a demonstrable impact on the field of electronic design through contributions in Electronic Design Automation.

### Nominations are accepted on a rolling basis.

The [Distinguished Service Award](#) recognizes an individual who has provided outstanding service to the IEEE Council that has had a significant benefit to the EDA community.

## Call for Participation: MPSoc'22

MPSoc is celebrating its 20<sup>th</sup> anniversary on 19-24 June 2022 in Hotel "les Fermes de Marie", Megève, France. We will have a special networking day on Wednesday, 22 June where we plan to organize high-level panel sessions with all our speakers from previous years. We have an exceptional program with 60 world-class R&D speakers to cover the key topics for multicore architectures targeting AI and embedded computing. The experts discuss fundamental and strategic issues to master advanced technologies for SW vs. HW design and semiconductor manufacturing to build energy-efficient many-core and many IP architectures.

More information on the program and registration at: <http://www.mpsoc-forum.org/>.

## Call for Participation: International Symposium on 3D IC and Heterogeneous Integration

The Hong Kong University of Science and Technology (HKUST) will host a virtual symposium on 26-28 April 2022. The event features three days of talks by industry experts and researchers. Registration is free but required. To learn more about this event please visit [the conference website](#).



Find us online at [ieeeced.org](http://ieeeced.org)



Please send contributions to Agnieszka



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