



IEEE Council on Electronic Design Automation

## **D&T: Call for Papers**

### **Call for Papers for a Special Issue on [Wearable IoT Devices for Reliable Mobile Health Applications](#)**

The Submission deadline is **1 February 2024**

#### **Aim and Scope**

Wearable Internet of Things (IoT) technology has the potential to transform the quality of human life by enabling cost-effective, reliable, continuous, and data-driven monitoring of users in a free-living environment. For example, wearable devices have been identified as a key technology to support the aging populations across the world. Despite the impressive potential of wearable technology, their widespread adoption in both clinical and everyday settings have been limited due to several technology, usability, and energy sustainability challenges. This has led to multiple organizations, including the Movement Disorders Society Technology Study Group, stating that solving these challenges is crucial to improve the adoption of wearable devices. Some of the key challenges to wider adoption of wearable IoT technology include energy limitations, sensor data shift, privacy, and security. Reliability and in-situ ageing management in IoT devices is another crucial issue for wider adoption these devices. This is especially true for IoT devices deployed in remote locations where maintenance is expensive and time consuming. The goal of this special issue is to highlight recent research in wearable IoT devices that aims to address the above challenges. Articles in this special issue will focus on hardware, software, design optimization, reliability, testing, and privacy aspects of wearable IoT devices. We will also consider approaches that co-optimize the operation of wearable devices for a specific set of applications (e.g., movement disorders). Overall, the aim of this issue is to generate a body of work in design of wearable devices and their integration into the IoT, which will further catalyze research and adoption of wearable IoT technology.

#### **Important Dates:**

- Open for submissions: 1 September 2023
- Submission deadline: 1 February 2024
- Notification First Round: 15 April 2024
- Revision submission: 30 April 2024
- Final decisions: 15 June 2024
- Tentative publication: Fall 2024

#### **IEEE CEDA Awards & Recognition Program**

The IEEE Council on EDA (CEDA) actively recognizes the scientific activities of the members of the EDA community by sponsoring or co-sponsoring numerous awards in the field. The honors recognize a wide range of contributions, including individuals who have had a demonstrable impact on the field of electronic design, individuals who have made substantial technical contributions to EDA in the early stages of her or his career, contributors whose impact is recognized over a significant period of time, outstanding publications, and volunteers with outstanding service to the benefit and advancement of CEDA.

Deadlines are approaching in early 2024.

[Learn More](#)

#### **2023 Phil Kaufman Award Dinner Sponsorships Available**

Dr. Pileggi Will be Recognized for His Significant Contributions to the Electronic System Design Industry

Dr. Lawrence Pileggi, Coraluppi Head and Tanoto Professor of Electrical and Computer Engineering at

Carnegie Mellon University, will be honored with the 2023 Phil Kaufman Award for distinguished contributions to Electronic System Design (ESD). The award will be presented at the annual Phil Kaufman Award presentation and dinner on 22 February 2024.

[Learn More](#)

## **DAC 2024: Call for Contributions**

For the past 60 years, DAC has been the premier conference for the design and automation of electronic circuits and systems. Research papers, technical presentations, and sessions are selected by a committee of electronic design experts that offer the latest information on recent developments, trends, management practices, new products, technologies, and methodologies. Submit to the 61st DAC and be part of tomorrow's innovation.

### **Important Dates:**

- [Research Papers](#)
  - Abstract Submission Deadline: 13 November 2023
  - Manuscript Submission Deadline: 20 November 2023
- [Sunday Workshop Proposals](#) Deadline: 20 November 2023
- [Monday Tutorial Proposals](#) Deadline: 20 November 2023
- [Special/Invited Session Proposals](#) Deadline: 20 November 2023
- [Panel Proposals](#) Deadline: 20 November 2023
- [DAC Pavilion Proposals](#) Deadline: 16 January 2024
- [Exhibitor Forum Proposals](#) Deadline: 16 January 2024

### **Engineering Tracks Submission Deadline: 16 January 2024**

Previously known as "Designer, IP and Embedded Systems and Software Tracks". Now combined under Engineering Tracks.

- [Front-End Design Track](#)
- [Back-End Design Track](#)

- [IP Track](#)
- [Embedded Systems and Software Track](#)

**Late Breaking Results Papers Deadline (opens 9 January 2024):** 27 February 2024

## **DATE 2024: Call for Papers**

The [Design Automation and Test in Europe Conference \(DATE\)](#) is the main European event bringing together designers and design automation users, researchers and vendors as well as specialists in the hardware and software design, test, and manufacturing of electronic circuits and systems. DATE puts a strong emphasis on both technology and systems, covering ICs/SoCs, reconfigurable hardware, and embedded systems as well as embedded software. DATE 2024 will be held in Valencia, Spain from 25-27 March 2024. For more information, visit the [website](#).

### **Important Dates:**

D, A, T and E Papers:

- ~~Abstract Deadline: 10 September 2023~~
- ~~Full Papers Deadline: 17 September 2023~~
- ~~Notification of Acceptance: 14 November 2023~~
- Camera-Ready Papers: 17 January 2024
- Paper Presentation Videos: 7 February 2024

Late Breaking Results Papers:

- Abstract Deadline: 3 December 2023
- Notification of Acceptance: 10 January 2024
- Paper Presentation Videos: 7 February 2024

Special Initiative "Autonomous Systems Design":

- ~~Abstract Deadline: 4 November 2023~~
- ~~Full Papers Deadline: 11 November 2023~~
- Notification of Acceptance: 17 December 2023
- Camera-Ready Papers: 17 January 2024
- Paper Presentation Videos: 7 February 2024

~~Focus Session Proposals: 2 October 2023~~

~~Embedded Tutorials Proposals: 2 October 2023~~

~~Workshop Proposals: 2 October 2023~~

Multi-Partner Projects:

- Papers Deadline: 3 December 2023

- Paper Presentation Videos: 7 February 2024

#### Young People Program

- Ph.D. Forum: 3 December 2023
- Careers Fair - Industry: 3 December 2023
- Student Teams Fair: 3 December 2023
- Design Contest: 3 December 2023
- University Fair: 3 December 2023
- Sponsorship of Attendance Application: 31 December 2023
- Careers Fair Academia: 25 February 2024

Kindly note that all deadline days apply to anywhere on earth (AoE). Deadlines are strict and no extensions will be given. View the call for papers [here](#).


### **ASP-DAC 2024: Registration is Open**

The [2024 Asian and South Pacific Design Automation Conference \(ASP-DAC\)](#) aims to provide the Asian and South Pacific CAD/DA and Design community with opportunities to present recent advances and with forums for future directions in technologies related to design and Electronic Design Automation (EDA).

The format intends to cultivate and promote an instructive and productive interchange of ideas among EDA researchers/developers and system/circuit/device designers. All scientists, engineers, and students who are interested in theoretical and practical aspects of VLSI design and design automation are welcome to ASP-DAC.





#### Registration Due Dates:

- ~~Author Registration: 3 November 2023~~
- Early Registration for General Participants: 15 December 2023




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[Contributions Form](#)

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