

**Proceedings of  
2020 IEEE 14th International Conference on  
Anti-counterfeiting, Security, and  
Identification (ASID)**

**October 30 - November 1, 2020**

**Xiamen, China**



# **Proceedings of 2020 IEEE 14th International Conference on Anti-counterfeiting, Security, and Identification (ASID)**

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*IEEE Beijing Section, Beijing, China*

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*Integrated Circuit Design Engineering Technology Research Center  
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*Key Laboratory of Integrated Circuit Design and Measurement (Xiamen University),  
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## Welcome from the IEEE\_ASID'2020 Hosts

### Dear IEEE\_ASID'2020 Participant,

On behalf of the IEEE\_ASID'2020 team, it is my great pleasure to welcome you to the pleasant coastal city Xiamen and to the 2020 International Conference on Anti-counterfeiting, Security, and Identification. This year, the Conference is organized by the IEEE Beijing Section, Xiamen University, and Xiamen Institute of Electronics (XMIE).

This conference is the 14th one of the series of International Conference on Anti-counterfeiting, Security, and Identification (ASID). Within the twelve years of time, the ASID conference has evolved into a unique forum for researchers from academia and industry to exchange innovative ideas and share their findings in the frontiers of diverse areas on information science. There were overwhelming responses to this conference and more than 80 papers submitted over the world. At last, 43 papers were accepted to be presented at the two-day conference and listed in the proceedings. All these papers are grouped into the sessions as: AI Security and Quantum Computing; Brain-like Computing and Brain-like Intelligent; Deep Learning and Recognition Computing; Big Data and Information Security; Wearable Electronics and Health & Leisure; Micro/Nano-sensor and BioMEMS; Multi-core Processor and Reconfigurable Computing; Cryptographic Algorithm and Security Management; IC Design and System Integration and EMC Theory and RFID Techniques.

This conference is also co-organized by IC Design Center of Fujian Province and Key Laboratory of IC Design & Application Development (Xiamen University).

The city of Xiamen is famous for its beautiful scenery and the beach of Taiwan Strait. We wish that you will benefit from the technical programs and social events of IEEE\_ASID'2020, as well as from your personal exploration of this coastal garden.



**Professor Jianping Zeng**

Chair of the IEEE\_ASID'2020

Xiamen University, Xiamen, China



# The 14th IEEE International Conference on Anti-counterfeiting, Security, and Identification (IEEE-ASID'2020, On-line)

**IEEE-ASID'2020**

October 30 - November 1, 2020, Xiamen

Website: <http://asid.xmu.edu.cn>



## Call for Papers

### Organizers:

*Xiamen University*  
*Xiamen Institute of Electronics (XMIE)*  
**IEEE Beijing Section**

The 14th IEEE International Conference on Anti-counterfeiting, Security, and Identification (IEEE-ASID'2020, On-line) will be held in Xiamen. This conference is co-organized by **IEEE Beijing Section**.

IEEE-ASID'2020 will provide a unique forum for researchers, engineers and educators interested in live demonstrations describing novel work on systems, applications and services of the Internet reaching out into the real world of physical objects.

Topics include (but are not limited to):

- *AI Security and Quantum Computing*
- *Brain-like Computing and Brain-like Intelligent*
- *Deep Learning and Recognition Computing*
- *Big Data and Information Security*
- *Wearable Electronics and Health & Leisure*
- *Micro/Nano-sensor and BioMEMS*
- *Multi-core Processor and Reconfigurable Computing*
- *Cryptographic Algorithm and Security Management*
- *IC Design and System Integration*
- *EMC Theory and RFID Techniques*

The Conference content will be submitted for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases.

**All the papers in the 1<sup>st</sup> to 13<sup>th</sup> ASID (2007ASID-2019ASID) conferences have been included in IEEE Xplore and EI (Engineering Village).**

### Author's Schedule

Prospective authors should note the following deadlines:

<b>Paper submission deadline</b>	<b>August 10, 2020</b>
<b>Notification of paper acceptance</b>	<b>August 30, 2020</b>
<b>Final paper submission deadline</b>	<b>September 20, 2020</b>
<b>Authors' registration deadline</b>	<b>September 20, 2020</b>

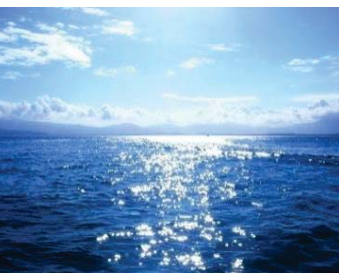
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