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ICCDS 2017-Call for Papers

Circuits, Devices & Systems

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Sep. 5-8, 2017 | Chengdu, China



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Multirate digital signal processing techniques have been developed in recent years for a wide range of applications from wireless and satellite communication systems to speech and image compression, including high performance audio and video, statistical and adaptive signal processing, and multimedia, among others.

The important feature of future wireless transceivers regards re-programmability from the antenna to baseband: this is key to the design of multi-mode and scalable multistandard transceivers able to support an open software model. In both these promising technologies for future communication systems, SDR and CR, multirate systems perform key signal processing operations efficiently.

The age of 5G communication is approaching. You are invited to participate in **the 2017 International Conference on Circuits, Devices and Systems (ICCDS 2017) in Chengdu, China, September 5-8, 2017**. ICCDS will provide a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Circuits, Devices and Systems.

Proceedings

Peer-reviewed papers will be included in the proceedings only if at least one of the authors registers and presents at the conference. Conference Proceedings will be published by IEEE, included in **IEEE Xplore** and indexed by **EI Compindex** and etc.

Topics of interest

BUT NOT LIMITED TO

- Circuits, devices and systems
- Smart grid and circuit
- Signal and multimedia processing
- Computers, software and applications
- Ocean engineering and marine technology
- Computers, software and applications
- Biomedical electronics and bioinformatics
- Communication engineering
- Electronics and electrical engineering
- Computer science applications
- Nano electro mechanical System
- Photonics and optoelectronics
- Networking, communication and multimedia
- Information engineering
- Wireless/Mobile communication and computing
- Software specification and software assurance
- Analysis of power quality and system stability
- Assembly and packaging
- Analog circuits and digital circuits
- Antenna and propagation
- Electric energy processing
- Electromagnetic and photonics
- Electro-optical phenomena of semiconductors
- Power electronics and energy systems
- Signal processing
- Techniques of laser and applications Of electro-optics
- Simulation of propagation
- Battery management system
- Circuits and electronics
- Computer relaying integrated optics and electro-optics devices
- Microwave theory and techniques
- Microwave and millimeter
- Modulation, coding, and channel analysis
- Power electronics
- Remote control and techniques of GPS
- Robotics and atomization engineering
- Signal integrity design for high-speed digital systems
- Solar power generation
- Wind power generation

Submission Link: <https://easychair.org/conferences/?conf=iccds20170>

Important Date

Submission deadline:
- July 16th, 2017

Author notification:
- July 31st, 2017

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Contact : Fang LI iccds@academic.net | +86 1397 22222 4
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IEEE



2017 年电路、器件与系统国际会议

ICCDS 2017

征稿开始

9月5-8日，成都，中国



成都

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近年来的发展，多速率数字信号处理技术已经在众多领域中得到广泛运用，从无线和卫星通信系统，到语言和图像压缩，还包括高性能音频和视频、统计和自适应信号处理以及多媒体。过去几十年以来，无线通讯产业迅猛发展，在下一代无线通讯系统的孕育过程中，已经出现了范式转变。未来无线收发技术的重要特性，是在于它从天线到基带的可再次编程性。多标准收发器能够支持开放的软件模型，而这种可再次编程性，便是设计出多模型与可扩展的多标准收发器的关键。在 SDR 与 CR 这两项对未来通讯系统来说最具发展潜力的技术中，多速率系统在高效率的信号处理上发挥了至关重要的作用。

5G 时代正在迈向人们的生活，在此背景下，2017 年电路、器件与系统国际会议定于 2017 年 9 月 5 日—8 日在中国成都召开，会议由 IEEE，电子科技大学，台湾大学支持，旨在为全世界科研学者、从业人员以及教育工作者提供一个最好的跨学科平台，探讨最近创新发明、最新发展趋势和近期共同关注，以及在电路设备与系统领域里面面临的现实挑战与解决方法。我们诚挚地邀请您参与 ICCDS 2017!

大会论文集

大会接收全文和摘要。全文将出版在会议论文集中，会议论文集由 IEEE 出版，并送检 IEEE Xplore 和 EI Compendex。接收的摘要将会被邀请参会做口头报告，摘要收录到会议日程，不出版在会议论文集中

请将您的全文及摘要投往：<https://easychair.org/conferences/?conf=iccds20170>。

征稿主题

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- Wind power generation

投稿时间安排

投稿截止日：
2017年7月16日
录用通知：
2017年7月31日

大会主席

李强，电子科技大学，中国
詹景裕，台湾大学

大会秘书

李女士
E: iccds@academic.net
+86 1397 22222 4

会议日程

9月5日-大会报到，短足
9月6日-大会开幕，主旨报告、邀请报告、分会报告、海报展示、晚宴
9月7日-视情况，分会报告、参观实验室等
9月8日-大会一日游

会议官方网站：www.iccds.org