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Late Call for papers – Deadline April 30th



Since 1998 CSNDSP has been recognised as a forum for the exchange of ideas among engineers, scientists and young researchers from all over the world on advances in communication systems, communications networks, digital signal processing and other related areas and to provide a focus for future research and developments. CSNDSP 2020 is organized by Instituto de Telecomunicações a research institute in Portugal.

Due to the present situation with the COVID-19 outbreak and the unpredictability of the next months, the Local Organizing Committee together with the Steering Committee, decided to **adopt a fully virtual format for the event**. This decision follows in line to what has been practice in several other IEEE events around the world. Following this decision, **a special track for late paper contributions and a call for video demonstrators showing latest achieved results, will be open for contributions till April 30th**.

Keynote Speakers



Prof. Ian F. Akyildiz
 Georgia Institute of Technology, Atlanta, USA



Prof. Rui L. Aguiar
 University of Aveiro, Portugal



Prof. Beatriz Ortega
 Universitat Politècnica de Valencia, Spain



Prof. Maurizio Marchese
 University of Trento, Italy



Prof. Nan Chi
 Fudan University, China



Prof. Anthony C. Boucouvalas
 University of Peloponnese, Greece

The local organising committee invites you to submit original high quality papers addressing research topics of interest for presentation at the **CSNDSP 2020**. Papers are solicited from, but not limited to the following topics:

Communications Systems & Theory

Adaptive modelling
Antennae
Chip design for communications
Coding theory & techniques
Communications for disaster management
Modulation/Demodulation
Fading channels
Filtering techniques
Radio/microwave/millimetre wave comms.
Noise reduction
Synchronization
Transmission diversity

Photonics

Free space optics
Optical wireless communications
High-speed devices for photonics
Optical buffering
Optical fibre communications
Optical MEMS for lightwave networks
Optical routing/Photonic networks
Optical signal processing
Optical switching
Radio over fibre & FSO

DSP

CSNDSP2020 General Information

Contact: Dr Luis Nero Alves - Local Organising Committee Chair: Instituto de Telecomunicações, Aveiro, Portugal,

Email: csndsp2020-general@av.it.pt web-site: <https://csndsp2020.av.it.pt/>

Prof G Kandus (IJS Ljubljana, Slovenia)
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 Dr C G Lee (Chosun Univ., South Korea)
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 Dr W-K Ling (Guangdong Univ. of Technology, China)
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 Dr S Papaharalabos (Natio. Observatory of Athens, Greece)
 Prof R Penty (Cambridge Univ., UK)
 Dr W O Popoola (Glasgow Caledonian Univ., UK)
 Dr W Pribyl (TU Graz, Austria)
 Dr S Rajbhandari (Oxford University, UK)
 Dr F Ramos (UP Valencia, Spain)
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 Prof Joseph Rodrigues (CHRIST University, India)
 Dr R Saatchi (Sheffield Hallam Univ., UK)
 Dr P Saengudomlert (Bangkok Univ. Thailand)
 Dr S M Sajid (Univ. of Eng.&Tech., Lahore, Pakistan)
 Dr Alex Shenfield (Manchester Met. Univ., UK)
 Prof S Shioda (Chiba Univ., Japan)
 Dr I Soto (Santiago Univ., Chile)
 Dr Mathew Southgate (MMU, UK)
 Dr U Speidel (Univ. of Auckland, New Zealand)
 Dr R Stewart (AIT, Ireland)
 Dr L Stergioulas (Brunel Uni., UK)
 Dr S Sygletos (Univ. of Karlsruhe, Germany)
 Dr A A Tahat (Princess Sumaya Univ. for Tech., Jordan)
 Prof H Takruri (Univ. of Salford, UK)
 Prof I Tomkos (AIT, Greece)
 R G Tosibeleffi (Ministero Sviluppo Economico, Italy)
 Dr X Tang - Tsinghua University, Beijing, China
 Dr P Truchly (Slovak Univ. of Tech., Slovakia)
 Dr A Vinel (Russian Academy of Sciences, Russia)
 Prof Y Viniotis (Univ. Raleigh, USA)
 Dr V Vitsas (TEI of Thessaloniki, Greece)
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 Prof. Marijana Cosovic (Univ. of East Sarajevo, Bosnia and Herzegovina)
 Prof. Xuewen Shu (Huazhong Univ. of Sci&Tech, China)
 Prof. Anatolij Zubov (Tech. Univ of Berlin, Germany)

Satellite & space communications

Communications Protocols

Communication standards
 Internet communications
 Internet protocols
 IP over ATM
 Routing protocols
 Transport control protocols

Networks & Network Management

Bandwidth management and Buffering
 Channel allocation
 Congestion & admission controls
 Digital integrated services
 Intelligent networks
 Modelling and simulation techniques
 Network management
 QoS, reliability & performance modelling
 Queuing theory
 Regulatory issues
 Routing issues & multicasting
 Security & privacy
 Signalling, traffic control, etc.
 Communications for sustainability and green energy.
 Smartphones/Home networks/Residential Gateways
 Internet of things for smart living and e-health
 Middleware support for smart home and health telematics services

Adaptive signal processing

Digital & multirate signal processing
 DSP algorithms & applications
 DSP implementation
 Multidimensional signal processing
 Optical signal processing
 Signal processing for storage
 VLSI for communications & DSP
 AI for health, smart urban environments, assistive technologies

Wireless Networks & Devices

5G network evolution
 Ad-hoc & Sensor networks
 Disconnected & weakly connected operation
 Interworking wireless & wireline networks
 Location-based Services & positioning
 MEMO & FORM systems
 Mobile agents
 Mobile computing for e-commerce
 Mobility management
 Multimedia & broadband services
 Multimedia QoS support & middleware
 Performance of end-to-end protocols
 Proxies & middleware
 Roaming
 System-level energy management
 Transport layer issues
 Wireless broadband mobile access
 Wireless LAN/WAN
 Wireless/mobile networked
 Wearable sensors/integrated micro-nano systems/home health monitoring

For further information visit: <https://csndsp2020.av.it.pt/>

- Papers may be presented in the form of **Oral presentation and/or Poster**
- Contributions by **MPhil/PhD research students** are particularly encouraged.

Late Submission Deadline Dates:

- Full paper: 30th April 2020
- Registration and payment: until 31 May 2020
- Notification of acceptance: 15 May 2020
- Camera ready: 31 May 2020

Confirmed Special Issues:

future internet

an Open Access Journal
 by MDPI

sensors

an Open Access
 Journal by MDPI

Optik

by Elsevier

Microwaves, Antennas & Propagation Journal

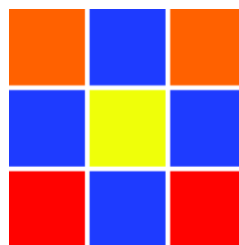
By IET

Fees:

Registration fees will be reduced, facing the changes due to the COVID-19 outbreak. More information will be available through our website by mid-April.

Submission & Publishing details:

- Electronic submission ONLY, through: <https://edas.info/newPaper.php?c=26967>
- All papers will be reviewed by at least three referees.
- The manuscripts must fit IEEE conference template for publishing at IEEE-Xplore.
- All papers will be published in the conference proceedings.
- Selected papers will be published in special issues of journals.



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