CALL FOR PAPERS

The 2020 IEEE International Symposium on Power Line Communications and its Applications (ISPLC) is the 24th symposium dedicated to scientific and technical advances in the field of communications over power lines. The event is sponsored by IEEE Communications Society (IEEE ComSoc). The conference will be held in Malaga, the capital of the Costa del Sol (Spain), between 31st March and 3rd April, 2020 (Tuesday to Friday).

Traditionally, one of the main features of ISPLC is strong participation of the industry, bringing together researchers, practitioners and users of PLC technologies. The symposium will include a series of keynote speeches, industry talks and experts’ panel.

An important novelty of this edition is that contributions can be submitted to any of the following four types of sessions:

<table>
<thead>
<tr>
<th>Type of submission</th>
<th>Target</th>
<th>Acceptance criteria</th>
<th>Publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular technical</td>
<td>Unpublished works</td>
<td>Peer review</td>
<td>Proceedings &amp; IEEE Xplore®</td>
</tr>
<tr>
<td>Dissemination</td>
<td>Works already published in journal papers</td>
<td>TPC co-chairs</td>
<td>Only to attendees and subject to authors’ authorization</td>
</tr>
<tr>
<td>Industrial &amp; standardization</td>
<td>Ongoing or recent industrial developments, specifications, standards and prototypes</td>
<td>TPC</td>
<td>Only to attendees</td>
</tr>
<tr>
<td>Recent results</td>
<td>Ongoing research and preliminary results</td>
<td>TPC co-chairs</td>
<td>Only to attendees</td>
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</table>

Check the website for full details of submission procedures and requirements for the different submissions. Submissions are invited in, but not limited to, the areas given below. Innovative topics, as the ones in italics, are particularly welcomed.

- Cooperative technologies with PLC/hybrid systems: VLC, wireless, XPONs...
- Developments for new PLC standards (G.hn2, IEEE 1901.1, PLC-6010, PLC-6020, PLC-6090, PLC-6200, PLC-6500, PLC-6800...)
- Machine learning applications in PLC
- PLC standardization and regulation
- Noise effects over PLC, channel characterization, modelling, emulation, and experimental systems
- MIMO, modulation and signal processing for PLC
- PLC signal coupling
- Access, in-home and in-vehicle power line networks
- Broadband and multimedia applications
- System architectures integrating PLC
- PLC modern and low level design
- Field trial evaluations and results
- Experience from large scale PLC roll-outs
- Cross-layer optimization and service integration
- Full-duplex techniques in PLC
- Information and communication theory aspects: performance analysis, physical layer security, coding
- Non-orthogonal multiple access for PLC
- Emerging PLC-related technologies
- PLC for Smart Grids
- PLC integration with electric grid assets
- Layer 2 (switching) and layer 3 (routing) techniques in PLC systems
- Measurement concepts, protocols and tools for PLC
- Network and service management
- Network planning and optimization
- Operation and management for PLC networks
- Data analytics in PLC systems
- Cybersecurity in PLC
- Green communications and energy saving concepts for PLC modems
- Electromagnetic compatibility and interference
- Coexistence and interoperability

General co-chairs
Francisco J. Cañete, Universidad de Málaga, Spain
José A. Cortés, Universidad de Málaga, Spain

TPC Co-chairs
Riccardo Raheli, Università di Parma, Italy
F. Javier López-Martínez, Universidad de Málaga, Spain

Publication chair
Mauro Tucci, Università di Pisa, Italy

Important dates

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Paper submission (recent and dissemination sessions)</td>
<td>29 December 2019</td>
</tr>
<tr>
<td>Paper submission (regular and dissemination sessions)</td>
<td>1 December 2019</td>
</tr>
<tr>
<td>Notification of acceptance (regular, dissemination)</td>
<td>16 February 2020</td>
</tr>
<tr>
<td>Notification of acceptance (recent results)</td>
<td>19 January 2020</td>
</tr>
<tr>
<td>Final paper</td>
<td>23 February 2020</td>
</tr>
<tr>
<td>Final paper</td>
<td>16 February 2020</td>
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</table>

PLEASE NOTE: Each accepted paper (of any type of submission) should be covered by 1 full registration. In addition, to be published in the IEEE ISPLC 2020 Conference Proceedings and to be eligible for publication in IEEE Xplore®, each regular paper must be presented by an author of that paper at the conference, unless the TPC co-chairs grant permission for a substitute presenter arranged in advance of the event, qualified both to present and answer questions. For authors with multiple accepted papers, one full registration is valid for up to 3 papers. Accepted and presented regular papers will be published in the IEEE ISPLC 2020 Conference Proceedings and submitted to IEEE Xplore® as well as other Abstracting and Indexing (A&I) databases.

For more information about IEEE ISPLC 2020, please visit the website https://isplc2020.ieee-isplc.org/