

## Call for Papers

IEEE DySPAN 2017

6-9 March 2017

Baltimore, MD, USA

[dyspan2017.ieee-dyspan.org](http://dyspan2017.ieee-dyspan.org)

Since its first edition in 2005, IEEE DySPAN has grown to become the flagship international conference that addresses innovative approaches to radio spectrum access and management. The unique blend of technology and policy topics, focusing on the development, deployment, and regulation of dynamic spectrum access networks, as well as special efforts to bring the policy and technology communities together in a single event, are trademarks of IEEE DySPAN that have led to significant insights and broader impact on the field.

For 2017, IEEE DySPAN comes back where it all began - Baltimore, Maryland, USA. The conference promises to bring an exciting research program and unique forum for practitioners, researchers, and policymakers. The setting will provide cultural experiences, restaurants to satisfy every palate, family-friendly museums, and exciting nightlife.

### Tracks:

IEEE DySPAN 2017 will be based on two main tracks, technical and policy, and two accompanying tracks, demonstration and posters. All papers will follow a double-blind review process. Accepted papers will be captured in the conference proceedings and IEEE eXplore.

### Topics:

The Technology Program Committee invites papers on the following topics:

- Dynamic spectrum access for extremely high-frequency (mmWave) spectrum
- Spectrum management for the Internet of Things
- Licensed Shared Access and secondary use of government spectrum bands
- Pricing and access rules for secondary spectrum
- RF energy harvesting in dynamic spectrum access regimes
- Low-power dynamic spectrum access
- Long-term experimental results of dynamic spectrum access systems
- Robust simulation methods and validation models of dynamic spectrum access systems
- Dynamic spectrum access for underserved regions

The Policy Program Committee invites papers that can help inform policy makers on topics of current interest, including:

- With the rapid evolution of 4G and emergence of 5G systems, regulatory agencies might have difficulty keeping up with technological change. Given the speed of technological

change, what are the opportunities and challenges associated with market and regulatory approaches to spectrum allocation, spectrum management, and/or spectrum sharing?

- What particular spectrum management policies and tools are needed by and appropriate for planning or implementing emerging 5G systems? Are the particular challenges and/or opportunities associated with implementing 5G in particular spectrum bands?
- As spectrum sharing moves from theory to practice, how do we address the challenges of monitoring, enforcing, and implementing of spectrum access systems and policies?
- Many of the practical spectrum sharing systems involve commercial sharing of government spectrum (in the US). What frameworks are appropriate for bidirectional sharing (i.e., government access to commercial spectrum bands? What are the opportunities and challenges?
- One of the foundations of spectrum policy is to foster more efficient use of spectrum. How can efficiency be defined and measured to enable policymakers to benchmark their progress toward this goal?
- What are the opportunities and challenges of first responder communications or public safety mobile broadband (e.g. FirstNet) deployment (a major US based policy initiative for first responder communications)?
- What are the challenges related to making spectrum sharing both spectrally and economically efficient?

#### Paper Submission Format:

Authors will need to follow IEEE conference style papers. Details about the format can be found here:

[http://www.ieee.org/conferences\\_events/conferences/publishing/templates.html](http://www.ieee.org/conferences_events/conferences/publishing/templates.html).

Technical and policy paper should not exceed 10 pages, while demo and poster papers should not exceed 2 pages.

To submit your paper: <https://edas.info/N22534>

#### Review Process (Technical, Policy, Demo and Poster Papers):

For the first time in IEEE DySPAN history, papers submitted to IEEE DySPAN 2017 will follow a **double-blind review process**. This means that authors of the submitted papers will need to remove all information revealing their identity (this includes author names, affiliations, and references to sponsoring agencies).

Also, for the first time in IEEE DySPAN history, an opportunity will be given to the authors to respond to reviewer comments before the technical program committee will make a final decision regarding acceptance.

## Important Dates

- Paper submission deadline: October 15, 2016, 23:59 (Anywhere on Earth time)
- Rebuttal phase: December 12-14, 2016
- Notification of acceptance: January 3, 2017 23:59 (Anywhere on Earth time)

## IEEE DySPAN Organizing Committee

General Co-Chairs: Matthew Hussey, FCC and J. Nicholas Laneman, University of Notre Dame

Technology Program Chairs: Przemysław Pawełczak, TU Delft and Ralf Bendlin, Intel

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Panel / Keynote Chairs: Randall Berry, Northwestern University and George Chrisikos, Qualcomm

Tutorial Chairs: Oliver Holland, King's College London and Eric Nelson, NTIA ITS

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