2018 GREENTECH
SMART CITY
◆**IEEE**
AUSTIN, TEXAS

Call for Paper and Proposals

Revised Submission Due Dates:
Industrial Program - ~~January 8, 2018~~
January 25, 2018

10th Annual GreenTech
2018 IEEE Green Technologies Conference
Smart City
Austin, Texas April 4-6, 2018

The 2018 IEEE Green Technologies Conference theme is "Smart City."

Smart cities seek to increase efficiency and improve quality of life by creating systems that reduce costs and improve services through connectivity and automation, incorporating techniques from sensing to analytics and leveraging the complementary technologies of IoT, wireless, and virtualization to deliver scalable, trusted and reliable solutions.

The conference provides a forum for government, industry, and researchers to collaborate and present innovative approaches on future framework, plans and innovative technological solutions for moving towards smarter green cities. Stakeholders include municipalities, utilities, equipment vendors, and residents.

Proposals describing innovative partnerships and collaboration are welcome.

Industry Program:
The industrial program is designed to provide opportunities for the practicing industry professional, government employees, and regulators to share and learn from each other the latest ideas, trends, product innovations and best of practices in the broader green technologies and smart cities fields. The program includes, executive forums, industry panel sessions, presentations, seminars, workshops/tutorials and industry demonstrations and exhibitions.

Suggested Topical Areas:
- **Smart City Opportunities using Green Technology**

- o **Visions and strategies for city and utility collaboration:** Smart street lights; electric vehicle infrastructure, resilience, sustainability; electric vehicle charging/discharging strategies; managing electric vehicle impact on the grid; regulations, policies, economics, reliability and sustainability; creative business models, e. g., public-private partnerships.

- o **Transportation:** Traffic congestion management; IoT enabled on-demand transportation systems; autonomous vehicle support systems; IoT enabled transportation pricing; cybersecurity.

- o **Consumer oriented innovation:** smart, grid aware, appliances; smart, grid aware, homes; variable rates and creative billing; cybersecurity.

- o **Demand control:** IoT empowerment; smart appliances; application of analytics/AI technologies; security; creative billing; case studies, such as, Pecan Street Project; cybersecurity.

- o **Buildings:** Zero Net Energy (ZNE) buildings; Energy efficient designs and standards; district heating and cooling; energy management systems; energy demand control systems; advanced HVAC; smart equipment and appliances.

- o **Case studies:** Smart street lights; autonomous Vehicles; smart building/energy demand; energy supply/demand management, communications; smart transportation systems; solar-plus-storage benefiting city and grid.

- **Renewable Energy Supply:** Advances in solar panel systems, deployment strategies; advances in solar panel efficiency and cost improvements; advances in wind power systems, deployment strategies; advances in wind power, efficiency and cost improvements.

- **Smart Grid:** Distributed generation developments and strategies; demand response techniques and strategies; managing impact of renewable energy on existing grid (utilities) –> energy storage developments –> regulations, policies, economics, reliability and sustainability; next Generation Control Centers: generation, T&D control centers and; system operators and applications (big data analytics, visualizations, situational awareness).

- **Smart Rural:** Micro grids –>Implementation –> ac/dc systems, control and optimization, energy management –> storage –> cybersecurity; power Transmission & Distribution (e.g. Remote communication and control of T&D assets, Distribution System Reliability); smart buoys, reducing environmental impact on the seas.

Submission Process and Guidelines
For The Industry Program

1. Executive Forum/Panel Session (IFxx, IPxx)

The 2018 Green Technologies Conference solicits **Executive Forum/Panel Sessions** proposals. These 1.5 to 2 hour sessions feature 4 to 6 distinguished members of the scientific and enterprise communities briefly presenting differing perspectives and opinions on key issues with the goal of stimulating lively discussion. Research and Industry Panels will be considered.

Submission
- Submit Forum and Panel proposals online
- Please select the Topical Area/sub-area
- Please identify the code associated with this submission (e.g. IFxx, or IPxx)
- Submit the paper by **January 25, 2018** at online EASYCHAIR

< https://easychair.org/conferences/?conf=greentech18>

2. Presentation Session (ISxx)

The 2018 Green Technologies Conference solicits **Presentation** proposals for the Industry Program. Presentation session will include title, abstract and description.

Submission
- Submit Demonstration proposals online
- Please select the Topical Area/sub-area
- Please identify the code associated with this submission (e.g. ISxx)
- Submit the paper by **January 25, 2018** at online EASYCHAIR

< https://easychair.org/conferences/?conf=greentech18>

3. Tutorials and Workshops (ITx, IWx)

The 2018 Green Technologies Conference solicits **Workshop/Tutorial** or **Seminar** proposals for the Industry Program. Workshop/Tutorial or Seminar proposal may be for half or full day may include title and description of the session and takeaways points.

Submission
- Submit Tutorials and Workshops online
- Please select the Topical Area/sub-area
- Please identify the code associated with this submission (e.g. ITxx, or IWxx)

- Submit the paper by **January 25, 2018** at online EASYCHAIR
< https://easychair.org/conferences/?conf=greentech18>

4. Demonstrations (IDxx)

The 2018 Green Technologies Conference solicits **demonstration** proposals for the Industry Program. Demonstrations may include functioning prototypes, artifacts, or systems. Demonstrations may be made by sponsor companies, or jointly by researchers and industrial partners. Demonstrations occur in an informal setting encouraging discussion about the work, and provide an opportunity to disseminate practical results and network with other researchers and business partners.

Submission
- Submit Demonstration proposal online
- Please select the Topical Area/sub-area
- Please identify the code associated with this submission (e.g. IDxx)
- Submit the paper by **January 25, 2018** at online EASYCHAIR
< https://easychair.org/conferences/?conf=greentech18>

Please contact any of the names below if you have any question.

Conference Chair: Fawzi Behmann (f.behmann@ieee.org)
Industrial Program Chair: Brent Lunceford (brentlunceford@gmail.com)