



Call for Paper and Proposals

***Revised Submission Due Dates:
Technical Program - ~~November 15, 2017~~
November 30, 2017***

**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.

Technical Program:

The technical program includes technical paper sessions, a poster paper session, seminars, tutorials and workshops. Papers presented in the technical program will be published in the Conference Proceedings.

Papers describing innovative partnerships and collaboration are welcome.

Suggested Topical Areas:

- **Smart City Opportunities using Green Technology**
 - **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.



- **Transportation:** Traffic congestion management; IoT enabled on-demand transportation systems; autonomous vehicle support systems; IoT enabled transportation pricing; cybersecurity.
- **Consumer oriented innovation:** smart, grid aware, appliances; smart, grid aware, homes; variable rates and creative billing; cybersecurity.
- **Demand control:** IoT empowerment; smart appliances; application of analytics/AI technologies; security; creative billing; case studies, such as, Pecan Street Project; cybersecurity.
- **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.
- **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 Technical Program

Several categories:

1. Technical Paper (TSxx)

The 2018 GreenTechnologies Conference solicits **papers** for the Technical Program focused on one of the conference topic areas.

Accepted papers will be designated **Full** or **Short**. Full papers will be awarded a 30 minute slot for oral presentation and receive a 8 page limit in the Conference Proceedings. Short papers are awarded a 20 minute slot. Short papers receive 4 page limit in the Conference Proceedings. Short papers could be presented as posters.

All regular paper submissions will be reviewed by at least two reviewers, and rated considering relevance, originality, technical quality, significance, and quality of presentation.

Papers must be original and not previously published or submitted elsewhere.

Important dates:

Conference Dates: **4 – 6 April, 2018**

Paper Submission: ~~November 15, 2017~~ **November 30, 2017**

Author Notification: ~~December 25, 2017~~ **January 15, 2018**

Camera Ready and Registration: ~~January 14, 2018~~ **February 10, 2018**

Submission

- All papers must conform, at time of submission, to the IEEE Formatting Guidelines.
- Must comply fully with the template provided:
https://www.ieee.org/conferences_events/conferences/publishing/template_s.html
- Please select the Topical Area/sub-area
- Please identify the code associated with this submission (e.g. TSxx)
- Submit the paper by November 30, 2017 at online EASYCHAIR

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



2. Tutorials and Workshops (TTxx, TWxx)

The 2018 Green Technologies Conference solicits **workshop** and **tutorial** proposals for the Technical Program. Tutorials and Workshops are intended to be interactive and focused, and may be scheduled for 1.5 hour, half-day or one full day.

Submission

- Submit Tutorial and Workshop proposals online
- Please select the Topical Area/sub-area
- Please identify the code associated with this submission (e.g. TTxx or TWxx)
- Submit the paper by **November 30, 2017** at online EASYCHAIR

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

3. Seminar/Special Session (TSxx)

The 2018 Green Technologies Conference solicits **seminar/special session** proposals for the Technical Program. These small specialized events will be a set of oral and poster presentations highly specialized in some particular theme. The sessions will have a minimum of 4 papers and a maximum of 9. All accepted papers will be published in a special section of the Conference Proceedings.

Submission

- Submit Seminar/Special Session proposals online
- Please select the Topical Area/sub-area
- Please identify the code associated with this submission (e.g. TSxx)
- Submit the paper by **November 30, 2017** 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)

Technical Program Chair: Essaid Sabir (essaid.sabir@yahoo.fr)