# Workshop on Efficient, Intelligent and Economic District Heating and Cooling Systems

IEEE SmartGridComm Conference
06 - 09 November 2016, Sydney Australia

## Call For Papers

District heating and cooling systems (DHC), both large and small scale, need to be more efficient, intelligent and cheaper. The development and deployment of intelligent systems using smart metering and control solutions for optimization, the general increase of sensors and actuators as Internet of Things (IoT) develops, consumer empowerment, and exploiting multiple energy resources are enabling factors for future DHC systems. The inclusion of waste heat recovery, heat pumps, thermal storage, cogeneration and renewable energy integration, and to roll-out solutions for the integration of intelligent thermal network with smart electricity grids and data centers, are opportunities to increase the overall efficiency.

Relevant topics for the workshop include, but are not limited to the following DHC areas:

- Monitoring and control solutions in DHC
- Optimization of DHC systems
- Energy and resource efficiency
- Intelligent systems in DHC systems
- Modelling of DHC system, including production units, distribution networks
- Data modelling and management for large scale DHC
- Consumer behavioral modelling
- Economic modelling
- Automated DR algorithms and schemes
- Consumer engagement and incentive
- New business models
- Integration with Smart grids and renewable energy sources
- Intelligent thermal management of buildings
- Use of distributed energy resources (DERs) to offset building thermal loads

The workshop organizers encourage contribution of papers that summarize new research results but also technical papers that describe new innovations and achievements in technical solutions for thermal management of buildings and optimization of DHC systems.

### Important Dates

- 5 July, 2016 — Deadline for workshop paper submission
- 24 July, 2016 — Acceptance/rejection announcement
- 24 August, 2016 — Final workshop papers
- 1 September, 2016 — Final program published on website
- 6 November, 2016 — Workshop

The OPTi project has received funding from the European Union's Horizon 2020 research and innovation programme under grant 649796
The Storm project has received funding from the European Union's Horizon 2020 research and innovation programme under grant 649743

## Submission
Url for submission is https://edas.info/newPaper.php?c=22734

## Location
Four Points By Sheraton Sydney, Darling Harbour, Sydney

## Technical Program Committee
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