

GECCO Workshop on

# Evolutionary Algorithms for Smart Grids

Berlin, Germany, July 15-19th 2017

<http://ci4energy.uni-paderborn.de/smartEA/>

## Call for Submissions

The main goal of this workshop is to promote the research on evolutionary algorithms in smart grids. We are seeking innovative research articles including, but not limited to the following areas:

- Energy generation and load forecasting
- Demand side and smart home energy management
- Network Restoration
- Real-time control and optimization
- Smart micro-grids



Submitted work should put an emphasis on modeling of solution spaces, on finding optimal representations and operators for evolutionary algorithms, and on employing and developing advanced evolutionary heuristics, e.g., for step size control, constraint handling, dynamic solution spaces, and multiple conflicting objectives.

## Research & Position Papers

We invite the submissions of two types of paper:

- Research papers (up to 8 pages)
- Position papers (two pages)

We encourage authors to submit early and in-progress work.

[All papers should be submitted as PDFs in ACM format \(see link\) to \[paul.kaufmann@uni-paderborn.de\]\(mailto:paul.kaufmann@uni-paderborn.de\)](#) Papers do not have to be anonymized.

All accepted papers will appear in the GECCO workshop volume.

## Key Dates

Submission: April 1<sup>st</sup>, 2017  
Notification: April 15<sup>th</sup>, 2017  
Conference: July 15-19, 2017

## Organizers

Oliver Kramer, Univ. of Oldenburg, DE  
Markus Wagner, Univ. of Adelaide, AU  
Frank Neumann, Univ. of Adelaide, AU  
Paul Kaufmann, Paderborn U, DE

