

NEO Cities 2016

International Workshop on Numerical and Evolutionary
Optimization for the Cities of the Future

Call for Participation

September 21 - 24, 2016 - Tlalnepantla, State of Mexico, Mexico

Important dates:

- Proposal submission:
July 22, 2016
- Notification of acceptance:
August 01, 2016

Workshop Organisers:

Oliver Schütze,
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RESEARCHER
LINKS

Scope and Motivation

In a world where information and communication technologies are pervading the perception and the experience of human living, cities are evolving towards a more functional scope, where the quality of life of their citizens and the quality of the services provided play a central role in their design and planning.

Cities are very dynamic environments, breeding place for innovation, opportunities and research but also sources of great challenges. Some of the open questions are for example: how can cities become more resilient? How can you guarantee privacy ethic and security to their citizens? How can cities become more energy sustainable? How can the existing urban fabric be made smarter for the future?

Numerical techniques from optimisation and data analytics can help addressing some of the open questions and shaping the cities of the future.

This workshop intends to collect many different efforts made for developing a new understanding of their cities and systems, and how these interact more widely with regions, economies, communities, businesses and individuals. How cities can be used as living labs for real time feedback and data gathering, to see how the city responds to new systems, identify optimal solutions and uncover future possibilities.

Session Topics

Topics include, but are not limited to:

- Data and social mining
- Cities as a living lab
- Data mining techniques for environmental monitoring
- Big data for smart cities
- Optimisation of resilient energy systems
- Optimisation of networks and infrastructure
- Intelligent solutions for smart buildings
- Decision making for intelligent urban planning

Call for Participation

Interested authors with affiliations in UK or in Mexico at the R2 (recognised researcher, PhD holders or equivalent), or at the beginning of R3 level (established researcher), are invited to submit their contributions following the guidelines on the website.

<http://neo.cinvestav.mx/NEOCITIES>

For successful candidates the arising expenses (transportation, accommodation, and conference participation) will be covered by the event.