

CALL FOR PAPERS IJSEPM | SPECIAL ISSUE 2/2019

on behalf of EERA JOINT PROGRAMME on SMART CITIES

International Journal of Sustainable Energy Planning and Management. Special issue on **Tools, technologies and systems integration for the Smart and Sustainable Cities to come**

Since their creation eight years ago, the EERA Joint Programmes and their participating institutions have accumulated important knowledge on the specific topic of each of the several programmes they have carried out. This includes Smart Cities, which refers to the main outlines of the EERA JPs on Smart Cities Workplan, focusing on innovative solutions based on interdisciplinary approaches, as needed to face the highly complex structure of a future smart energy system at an urban scale.

A shared definition for Smart Cities might still lead to extensive discussions among experts, covering many areas related to energy technology development, environmental issues, politics and socio-economic aspects. However, following the outlines of Smart Cities and Communities Initiative of the European SET- Plan, “Smart Cities” are clearly characterized by the extensive use of low-carbon technologies, combined with a smart energy management based on innovative design and operation of the entire system at city level as well as applied innovation, better planning, participatory approaches, higher energy efficiency, better transport solutions, intelligent use of Information and Communication Technologies (ICT), etc.

The EERA JP Smart Cities Special Issue series has the ambition to be a strong voice for a concerted research area in Europe capable of highlighting different points of view and solutions creating a “shared European vision of smart urban development”. Hence the first special issue was titled **1/2018: European Pathways for the Smart Cities to come**, publishing the most promising research and innovation projects which our partners set up in the framework of European, international and national joint projects.

As we are all aware that in coming FP9 the focus on Smart Cities will shift rapidly, leaving the floor to POSITIVE ENERGY DISTRICT, the aim of the 2nd special issue will be an in-depth view on integration of tools, technologies and systems which lead to measurable benefits in energy and resource efficiency at urban scale.

Submissions to this special issue should consist of **applied research and case studies, real solutions, design and implementation of smart cities** in following areas/topics:

Sustainable Energy

- Smart energy systems and grids
- Smart energy networks and local distribution networks
- Smart local energy communities
- Smart home, IoT technologies and wireless sensor networks for smart cities
- Smart transport systems, driverless cars and smart services for smart cities
- Sustainability, green energy and energy efficient services for smart cities
- Urban modelling
- Transition from centralised mono-energy systems to multisource distributed energy systems
- People inclusion for changing towards sustainable behaviour

Sustainable Energy Planning

- Building integrated renewable energy systems
- New architecture, approaches, services and techniques to orchestrate smart cities

Sustainable Energy Management

- Data processing, analysis and management for smart cities
- Mobile apps, mobile internet, smart cards for energy management in smart cities
- Smart energy systems and grids

- Technology fusion, data fusion and information fusion for smart cities
- Weather analysis, forecasting, reporting and impacts on energy systems for smart cities

Proposed schedule

Submission Deadline (Full Paper): February 15th 2019

Notification of Acceptance/Revisions: April 1st

Final paper production deadline: August 20th 2019

Publication Date: expected by October 15th 2019

All submissions will go through the journal's standard peer-review process.

For guidelines to prepare your manuscript and for manuscript submission, please visit

<https://journals.aau.dk/index.php/sepm/information/authors>

Authors are invited to send a paper in 38.000 and 50.000 characters in English (spaces included; figures, tables, schemes, etc. excluded)

Each paper must include a textbox with the title "Acknowledgment of value". Here comments and feedbacks from a stakeholder not involved with the project research itself must be included, indicating name, surname and affiliation of stakeholder attesting the added value of the applied research and case studies proposed.

Please pay attention to the fact that by submitting a paper author/s will be registered as peer reviewer for 2nd special issue, according to specific topics and key-words for field of expertise which will be declared meanwhile when establishing the userprofile on the journal website.