



Office of  
Environment  
& Heritage



# SMART FUTURE CITIES 2015

*Energy, Transport & The Built Environment  
Innovations for Future Cities*

**NEWCASTLE, 1-3 OCTOBER**

**Hurry!!  
Prizes to be  
won**

\$1000 for best student  
poster presentation

\$1000 for best student  
oral presentation

**Abstract submission closes 9th July**

# CALL FOR ABSTRACTS

**1-3 OCTOBER  
NEWCASTLE CITY HALL  
NEWCASTLE, NSW, AUSTRALIA**  
[www.smartfuturecities.com.au](http://www.smartfuturecities.com.au)



## Call for Abstracts

**THE SMART FUTURE CITIES 2015 (SFC2015) CONFERENCE** will be held at the Newcastle City Hall on the 1-2 October 2015 with a clean energy Expo and electric vehicle Show on Saturday 3 Oct 2015.

The conference is an initiative of the **Tom Farrell Institute for the Environment** at the **University of Newcastle** in partnership with the **Regional Clean Energy Program of NSW Office of Environment and Heritage** and **The City of Newcastle**. The program will include an extensive range of topics with Keynote Presenters, Concurrent Sessions, Case Studies, Workshops and Poster Presentations.

We invite you to submit an abstract of 200 words by 9 July 2015. Your abstract will be assessed by the content selection committee to present at the Smart Future Cities 2015 (SFC2015) Conference, details for the abstract described below.

We expect delegates to be from:

- Industrial, scientific, commercial, community and government groups involved in clean energy projects and their associated influences
- Government agencies and authorities dealing with sustainability and a sustainable future
- Researchers and research institutes
- Community groups and individuals with an interest in the subject

The overarching motives for the subject matters of this conference include understanding and promoting:

- Technical, political, economic, regulatory and social responses to the challenge posed by Global Warming
- Desire to improve energy security
- Desire to build a more delightful, attractive, equitable and sustainable living environment
- The need to build smart economies, businesses and employment opportunities

Presentations of broad importance and interest will be held during plenary sessions. Presentations with a focused interest will be held in one of the three strands described below:

- **Future Transport** focusing on the next wave of transportation innovations: incorporating electric vehicles, autonomous vehicles, connected cars and cities; smart energy solutions
- **Clean Energy Solutions** for individual households, cities and regions: renewable energy technologies and applications in all their guises
- **Innovation and Emerging Technologies in the Built Environment** will take a broad perspective on the trajectories of change enabled by diverse innovations in the built environment and what this means for communities, businesses and all levels of government.

### FUTURE TRANSPORT STRAND

*Australia will import a trillion dollars' worth of oil and cars over the next decade. A shared driverless transport system is a rapidly emerging solution to private car dependency. This solution could reduce this import stress by 90% (\* Dr Gary Ellem)*

We wish to bring together the brightest minds to tackle the challenge of building the social, technical, business, regulatory, legal, and design pathways to a vibrant shared autonomous vehicle transport sector. If you have been thinking and working in any of the above areas we would like to hear from you.

Some suggestions on topic areas:

- electric vehicles
- smart transport
- public transport
- regulatory and legal changes and challenges
- autonomous vehicles
- test bed sites
- road and infrastructure changes needed
- social response
- internet of things and transport
- effect of EV charging on grids
- effects on the urban layouts
- batteries



# Important Information

## CLEAN ENERGY SOLUTIONS FOR INDIVIDUAL HOUSEHOLDS STRAND

Energy drives economies, supports lifestyles and empowers production, distribution and utilisation of goods and services. Energy is essential for a modern and efficient nation. This conference stream will explore a wide range of energy issues from policy, through technology to ownership, storage and distribution.

This conference stream will enhance the renewable energy sector and wider community's awareness of current and future energy challenges and opportunities.

We will reflect on solutions for renewable energy in all its forms including:

- biofuels
- wind
- water, and
- solar

We will also look into energy storage, new technologies and community-owned and managed energy developments.

## INNOVATION AND EMERGING TECHNOLOGIES IN THE BUILT ENVIRONMENT STRAND

As the urbanisation of the world's population increases, cities everywhere are being forced to face up to the challenges posed by increasing demand for resources and services, while managing economic and environmental sustainability. Smart cities are grappling with the integration of these transformative opportunities within their built environments and economies.

This stream will explore the convergence of the Internet of Things (IoT), big data analytics, and the emerging materials and technologies that are enabling rapid innovation in the built environment.

We invite papers that engage with these many social-technological transitions and their social and urban-liveability impacts, which together are defining the context of the future smart city. Papers on the following topics are encouraged:

- IoT Platforms and Innovations
- M2M Technologies Shaping Urban

Infrastructures

- Smart City Applications (case studies of success & failure)
- Big Data Analytics
- Funding and Financing a Smart City
- Privacy and Security in a Smart World
- Digital Economy Policy and Strategy
- Sharing Economy Transformations
- Open Data Models, Process and Platforms
- Smart Services Integration
- Real-time Data: Intelligence for Urban Planning and Design
- Stakeholder Collaborations and Consortium Models
- IoT/Smart City Ecologies and Economic Development
- Consuming the Smart City: Personal IoT Wearables and Mobile
- Smart and Innovative Design and Building Products.

## HOW TO SUBMIT AN ABSTRACT

Authors or organisations interested in submitting a paper for oral presentation, a poster or presenting a workshop are invited to submit an abstract of no more than 200 words outlining the aims, content and conclusions of their paper or presentation; or about their intended role in a workshop.

Additional information is required at the time of submitting an abstract. This information will be included, subject to the selection process, in the printed and publicly available Conference Handbook.

- A high resolution headshot (head and shoulder), 300dpi minimum. It will be physically printed as a 50mm x 60mm image. Please submit in jpeg, psd or PDF format
- Your contact information for delegates to see. This will be posted in the conference handbook which is publicly available
- A ten-line biography
- Research students should include details of their enrolment status and the title of their thesis project

Please ensure that your supplied information is what you wish to appear in the conference handbook.

continued overleaf...

# 4 Important Information

Additionally with your submission, please indicate if you will permit your presentation to be put up on the conference website after the event.

Please send your Abstract, biography and photo to Belinda McNab at [belinda.mcnab@newcastle.edu.au](mailto:belinda.mcnab@newcastle.edu.au) by no later than 5pm on Thursday 9th July.

All proposals will be reviewed by the conference program committee. Presentations will be selected to provide a program that offers a comprehensive and diverse treatment of issues related to the Conference theme.

Authors will be notified by email of the outcome of their abstract submission.

Presenting authors for oral, poster and workshop presentations will be able to register for the conference for FREE but they must still register.

## ORAL PRESENTATIONS

Oral presentations will normally be of 15 minutes duration plus a 5 minute Q & A session. Total exposure time is 20 minutes.

*Note: papers not selected for oral presentation may be given the option of a poster presentation*

## WORKSHOP- PANEL SESSION PROPOSALS

The Conference Program Committee will consider proposals for the conference to host panel sessions and/or workshops sessions.

## POSTER PRESENTATION

- A1 size in portrait layout
- Must include a photograph of the presenting author, and small biography and contact details
- Normally presenters are responsible for the physical production of their poster

Posters may be on any topic relevant to the conference theme.

Posters will be displayed in the exhibition area and for the duration of the conference. It is expected that presenters should be available during meal breaks to discuss their work with conference delegates.

## TERMS AND CONDITIONS

1. All presenting authors will be required to register (for free) to ensure their abstract is included in the final program.
2. All presenting authors will be asked if they will permit their presentations to be put up on the conference website after the event.
3. By submitting an abstract you give consent to publication of the abstract in conference material, including but not limited to, the conference blog, conference handbook of abstracts, email promotion and conference website (unless otherwise agreed).
4. All abstracts must be original work.
5. The author is responsible for the accuracy of the abstract.
6. All submissions must be sent with all requirements to Belinda McNab at [belinda.mcnab@newcastle.edu.au](mailto:belinda.mcnab@newcastle.edu.au) by no later than 5pm on 9th July 2015.

## IMPORTANT DATES

Abstract Submissions Close	9 July 2015
Notification to Authors	30 July 2015
Early Bird Registrations Close	1 August 2015
Author Acceptances	6 August 2015
Program content cut-off	13 Aug 2015
Program Available	17 September 2015 (tbc)

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