CALL FOR PAPERS & CONTRIBUTIONS

SBE16 SUSTAINABLE BUILT ENVIRONMENT 2016
TRANSITION ZERO
7-8 APRIL 2016 - UTRECHT - THE NETHERLANDS

CALL FOR PAPERS & CONTRIBUTIONS
The SBE16 conference ‘Transition Zero: from Demonstrations to large-scale Net Zero Refurbishment’ is promoted by IISBE, CIB, UNEP-SBCI and FIDIC. HU University of Applied Sciences, Centre of Expertise Smart Sustainable Cities, in partnership with six Dutch Universities of Applied Sciences, announces the organization of the SBE16 Sustainable Built Environment 2016 conference in Utrecht, the Netherlands, on 7 and 8 April 2016. On 6 April a pre-programme will be offered.

This international event will focus on transition in urban sustainability. The title of the conference is ‘Transition ZERO’, and the main theme: ‘From Demonstrations to large-scale NET-Zero Refurbishment’.

The four conference topics are:
• Upscaling: from prototypes and concepts to market introduction, financial models & business models and strategy to mass market.
• Circular processes: models & materials, construction chains, eco-materials and embedded energy.
• Small urban area: improving systems, 0-impact areas related to energy, water & materials, participation of inhabitants and quality of life.
• Governance: legislation & policies, European chances, stakeholder involvement & alignment, impact of local/national authorities.

Call for contributions
The Conference Organizing Committee invites interested parties to submit abstracts of papers suited for presentation at the conference. If you are interested in being part of the speaking program, we invite you to send a short abstract (max. 1 page) presenting your topic and indicating the track to which it relates. We welcome papers with a practice-based as well as an academic orientation. Position papers are as welcome as evidence based papers: the aim is to realize a good focus in the conference. When an abstract will have been accepted, instructions regarding the preparation, format and timetable of the final paper will be issued.

Speakers and participants
• International and governmental organizations
• Universities and professional schools
• Professionals, engineers and managers involved in a sustainable built environment
• Government agencies and organizations for standardization.

The SBE conference series is considered to be the pre-eminent international conference on sustainable building and construction.

Conference features
The organizers offer in Utrecht an attractive mix of plenary sessions, workshops, round table discussions, excursions and networking events, exhibition surface and awards.
Programme and preliminary program

- **Wednesday 6 April 2016**: excursions, poster presentations, network events and conference registration, opening conference reception and off-site social event.
- **Thursday 7 April 2016**: conference keynotes, concurrent conference program sessions: special interest section tracks, lunch, poster presentations and conference dinner with special sponsor recognition.
- **Friday 8 April 2016**: conference keynotes, concurrent conference program sessions: special interest section tracks, lunch, poster presentations, Award ceremony Smart Sustainable Cities and celebration.

The four conference tracks

The SBE16 Utrecht conference aims to rally technology transition professionals in urban sustainability around a number of hot issues to promote international best practices in urban sustainability: ‘Transition Zero: from Demonstrations to large-scale NET Zero Refurbishment’. Our goal is a focus on the theme and an outstanding reputation!

1) **Upscaling** – Chairman is Ivo Opstelten, professor at HU University of Applied Sciences Utrecht
   
   This track will focus on best practices and experiences with prototyping and demonstration projects to upscaling. Concepts that work in the present with fast retrofitting are creating NET ZERO houses for future business opportunities. Topics range from how to realize upscaling of demonstration projects towards a sustainable city, towards market introduction and market strategy. There is a special interest for examples of good working business and financing models.
   
   a. From prototyping and demonstration projects to sustainable areas: the physical challenge
   b. Fast retrofitting concepts for ‘NET Zero Energy’ housing
   c. Market introduction: from prototyping to mass market
   d. Business & financing models for upscaling NET zero energy innovations

2) **Circular processes** - Chairman is Mieke Oostra, professor at Saxion University of Applied Sciences Enschede
   
   It is clear that the linear approach to our economy has its limitations and that apart from the energy crisis, the resources problem is an even greater concern. This session intends to investigate the changes of circular processes in urban transition and refurbishment. Again tangible examples of successful business models are welcome. Moreover, we will investigate flexible models, construction chains and materials.
   
   a. Modular refurbishment concepts apt to adapt future developments
   b. Bio-based material and building construction chains
   c. Impact of large scale refurbishment on local environment
   d. Embodied energy & eco materials to optimise facade renovations
3) **Small Urban Areas** – Chairman is Ronald Roovers, professor at Zuyd University of Applied Sciences Maastricht

Small urban areas are used as living labs or development zones to introduce energy refurbishment (products, services and models) that simultaneously meet social needs effectively on a small scale. Alternatives and new social relationships or collaborations are created in this areas. In other words, they are seeding ground for innovations which are both good for society and enhance society's capacity to act. Systemic change is the ultimate goal of Net Zero Energy in small urban areas. This session will look at good practice and successful case studies of energy refurbishment and social innovation in action in small urban areas.

a. Energy optimisation on urban area level
b. 0-impact built environment: energy, materials & water
c. Acceptance and participation of tenants of social housing projects
d. Impact of low energy refurbishment on the quality of life in small urban areas

4) **Governance** – Chairman is Emile Quanjel, professor at Avans University of Applied Sciences Breda

Transition in urban sustainability as a global gateway to innovation. The impact of local, national and international authorities could be leading or freezing. This track will prove that there is a genuine interest among professionals working in different areas of the world to share good practice and investigate collaboration opportunities. The focus is on issues such as the impact of local authorities, the European challenges and the influence of stakeholder environments.

a. Impact of local authorities on the upscaling of E-refurbishment
b. European chances & national legislation: leading or freezing
c. Influence of (multi)stakeholder involvement & alignment and acceptance of new technology
d. Policies to overcome market barriers

**How to submit your abstract?**

- Please mail your abstract in electronic form with CV and your picture not later than 20 September 2015 to: duurzamedagen@hu.nl.
- Papers will be peer-reviewed.
- All accepted full papers and papers accepted as posters will be in the conference electronic proceedings (with ISBN).
- Workshop Panel & Posters: universities and schools are invited to present posters in the Exhibition Zone/ Workshop Panel.
- The official conference language is English, so all abstracts have to be written in English and lectures should be in the English language.
Important deadlines

- Deadline for abstract submission: 20 September 2015
- Peer review abstract and notification: 1 October 2015
- Submission of full length papers: 1 December 2015
- Full paper peer review and notification: 1 January 2016
- Final conference program: 30 January 2016

Costs
Speakers pay a reduced conference rate of € 200, -. This includes the conference programme and all the conference related activities.

Conference Organizing Committee Contact
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