



## Conference Programme

# U!REKA Edinburgh 2017

## Towards a Research and Education Strategy

# DAY 1 – Monday 20<sup>th</sup> November 2017

at The Royal Society of Edinburgh, 22-26 George Street, Edinburgh EH2 2PQ

**12.00 - 12.45 CONFERENCE REGISTRATION AND LUNCH**

**12.45 - 13.45 PLENARY SESSION**

Room: *Wolfson Lecture Theatre*

12.45 - 13.00

Opening: Welcome address

*Alistair Sambell, Edinburgh Napier University*

13.00 - 13.15

Opening: The Urban Research and Education Knowledge Alliance (UIREKA)

*Huib de Jong, Amsterdam University of Applied Sciences*

13.15 - 13.25

Opening: General Information

*Thomas Feige, Edinburgh Napier University*

13.25 - 13.45

Keynote Address: Towards the UIREKA Research and Education Strategy

*Mark Deakin, Edinburgh Napier University*

**13.45 - 14.00 COFFEE BREAK**

**14.00 - 16.00 PARALLEL SESSIONS**

Session D1.1: Urban Displacement, Migration and Refugees

Session D1.2: Health and Wellbeing in Urban Environments

Session D1.3: Urban Sustainable Development

Session D1.4: The Smart City

**16.00 - 16.15 COFFEE BREAK**

**16.15 - 17.00 PLENARY SESSION**

Room: *Wolfson Lecture Theatre*

16.15 - 16.35

Wrap-up of Parallel Sessions

16.35 - 17.00

Open Discussion

**19.00 - 23.00 GALA DINNER**

*at Scottish National Portrait Gallery, 1 Queen Street, Edinburgh EH2 1JD*

## SESSION D1.1: Urban Displacement, Migration and Refugees

Room: Lower Gallery; Chair: Nina Waaler, Oslo and Akershus University College

**14:00 - 14:15**      **International Law and the Refugee Crisis: Legal Duties, Moral Outcry**

*Clare Frances Moran, Edinburgh Napier University*

**14:15 - 14:30**      **SIMHE (Supporting Immigrants in Higher education in Finland) - Metropolia's role as a recogniser of competences**

*Heidi Stenberg, Metropolia University of Applied Sciences*

**14:30 - 14:45**      **Migrants Access and Encounters of Healthcare in a Host Country**

*Birgit Heckemann, Maastricht University; Marie-Louise Luiking, Leiden University; Parveen Ali, Sheffield University; Connie Dekker van Doorn, Rotterdam University of Applied Sciences; Sumana Ghosh, University of Gothenburg; Angela Kydd, Edinburgh Napier University; Roger Watson, University of Hull; Harshida Patel, University of Gothenburg*

**14:45 - 15:00**      **Promoting Human Rights in Urban Areas: Key Insights from Student Experiences in Working with People in Precarious Circumstances**

*Jeroen Gradener, Amsterdam University of Applied Sciences; Elisabeth Grønning, Oslo and Akershus University College*

**15:00 - 15:15**      **Neighbours at the Gate: Exploration of Alternative Approaches to Refugee (Re)settlement and Integration in the Netherlands**

*Nadine Blankvoort, Amsterdam University of Applied Sciences*

**15:15 - 15:30**      **The Healthy Start Nutrition Education Material: Facilitating the Transition into a New Food Environment for Newly Resettled Immigrants and Refugees**

*Kjell Sverre Pettersen, Oslo and Akershus University College; Aud Marit Eriksen, Oslo's Resource Centre for Migration Health; Liv Elin Torheim, Oslo and Akershus University College; Laura Terragni, Oslo and Akershus University College*

**15:30 - 16:00**      **Interdisciplinary Thinking Workshop**

## SESSION D1.2: Health and Wellbeing in Urban Environments

Room: Wolfson Lecture Theatre; Chair: Kaija Matinheikki-Kokko, Metropolia University of Applied Sciences

**14:00 - 14:15**      **The Street as Public Domain: Urban Design of Streets and the Encouragement of Interaction Within a Culture Diverse Community**

*Anneke Treffers, Amsterdam University of Applied Sciences; Ivan Nio, Amsterdam University of Applied Sciences; Frank Suurenbroek, Amsterdam University of Applied Sciences*

**14:15 - 14:30**      **Prevalence of Obesity and Being Overweight Among Belgian Nurses**

*Hanna Aerts, University College Ghent; Liesbeth Van Heck, University College Ghent*

**14:30 - 14:45**      **Nurses' Lives: Building Evidence to Improve the Health of Scotland's Cities**

*Richard G. Kyle, Edinburgh Napier University; Louise Hoyle, Edinburgh Napier University; Catherine Mahoney, Edinburgh Napier University; Iain M. Atherton, Edinburgh Napier University*

**14:45 - 15:00**      **The Demands for Future Competencies to Promote Health and Wellbeing Anticipated by Professionals in Finland and in Estonia**

*Arja Liinamo, Metropolia University of Applied Sciences; Kaija Matinheikki-Kokko, Metropolia University of Applied Sciences*

**15:00 - 15:15**      **Just and Sustainable Places: Extending the Boundaries of Socio-environmental Health**

*Elaine Carnegie, Edinburgh Napier University; Greig Inglis, The University of Edinburgh*

**15:15 - 15:30**      **Enhancing Citizens' Participation in the Community to Promote Health and Wellbeing: Learning from a Project on Age Friendly City (AFC) with Seniors as Co-Researchers**

*Rosalie Metze, Amsterdam University of Applied Sciences; Fenna van Nes, Amsterdam University of Applied Sciences; Barbara Groot-Sluijsmans, VU University Medical Centre; Eileen Berkvens, Amsterdam University of Applied Sciences; Lex Veldboer, Amsterdam University of Applied Sciences*

**15:30 - 16:00**      **Interdisciplinary Thinking Workshop**

## SESSION D1.3: Urban Sustainable Development

Room: *Upper Gallery*; Chair: *Dominic Hofmann, Frankfurt University of Applied Sciences*

**14:00 - 14:15**      **Urban Sustainable Development in School Communities: Use of Bamboo and Sisal in Malawian School Construction**

*Rory C. Doak, Edinburgh Napier University*

**14:15 - 14:30**      **Infrastructure - Design – Society**

*Petra K. Schäfer, Frankfurt University of Applied Sciences;  
Dominic Hofmann, Frankfurt University of Applied Sciences*

**14:30 - 14:45**      **Reworking Sustainable Community Development: Making the Case for Socially-Inclusive Visioning**

*Alasdair Reid, Edinburgh Napier University*

**14:45 - 15:00**      **Action research in practice: A method for Urban Sustainable Development**

*Andrew Switzer, Amsterdam University of Applied Sciences;  
Sandra Bos, Amsterdam University of Applied Sciences*

**15:00 - 15:15**      **Social Innovation with the Government: Learning and Power in Urban Living Labs**

*Stan Majoor, Amsterdam University of Applied Sciences; Robert Duiveman, De Haagse School; Andrew Switzer, Amsterdam University of Applied Sciences; Elke van der Heijden, Amsterdam University of Applied Sciences; Marie Morel, Amsterdam University of Applied Sciences; Linda Hooijer, Amsterdam University of Applied Sciences;*

**15:15 - 15:30**      **Urban Well-Being Supported by GIS and IOT Mapping/Modelling of Sustainable Small Water Streams in Build Environment. Example Helsinki**

*Kaj Lindedahl, Metropolia University of Applied Sciences; Riitta Lehtinen, Metropolia University of Applied Sciences; Jari Olli, Metropolia University of Applied Sciences*

**15:30 - 16:00**      **Interdisciplinary Thinking Workshop**

## SESSION D1.4: The Smart City

Room: *Scott Room*; Chair: *Mark Deakin, Edinburgh Napier University*

- 14:00 - 14:15**      **Design and Development of a Novel Control Regime for Microgenerating Wind Turbines**  
*Virginia Kramer, University of Huddersfield and Frankfurt University of Applied Sciences; Suman Pradhan, University of Huddersfield; Karsten Schmidt, Frankfurt University of Applied Sciences; Rakesh Mishra, University of Huddersfield*
- 14:15 - 14:30**      **Smart City Development Paths: Insights from the First Two Decades of Research**  
*Luca Mora, Edinburgh Napier University; Mark Deakin, Edinburgh Napier University; Alasdair Reid, Edinburgh Napier University*
- 14:30 - 14:45**      **Innovating for Smart Cities: A Firm-Centric Perspective on Exploring and Exploiting Smart City Technologies**  
*Daniel van den Buuse, Amsterdam University of Applied Sciences; Willem van Winden, Amsterdam University of Applied Sciences*
- 14:45 - 15:00**      **New Metropolia Intelligence Exploratory Campus**  
*Harri Hahkala, Metropolia University of Applied Sciences*
- 15:00 - 15:15**      **Playful Data-Driven Active Urban Living (PAUL): Increased Motivation for Exercise Through a Tailored Exercise Smartphone Application**  
*Nicky Nibbeling, Amsterdam University of Applied Sciences; J. van der Bie, Amsterdam University of Applied Sciences; B. Krose, Amsterdam University of Applied Sciences; M. Simons, Utrecht University; D. Ettema, Utrecht University; M. Deutekom, Amsterdam University of Applied Sciences*
- 15:15 - 15:30**      **The Potential of Sensor Networks for Understanding Domestic Energy Use**  
*Brian Davison, Edinburgh Napier University*
- 15:30 - 16:00**      **Interdisciplinary Thinking Workshop**

## DAY 2 – Tuesday 21<sup>st</sup> November 2017

at The Royal Society of Edinburgh, 22-26 George Street, Edinburgh EH2 2PQ

**9.00 - 9.30**                    **CONFERENCE REGISTRATION**

**9.30 - 10.00**                **PLENARY SESSION**

Room: *Wolfson Lecture Theatre*

9.30 - 10.00

Keynote Address: Understanding U!REKA's Intellectual Capital  
*Luca Mora, Edinburgh Napier University*

**10.00 - 12.00**            **PARALLEL SESSIONS**

Session D2.1: Education and Educational Research

Session D2.2: Health and Wellbeing in Urban Environments

Session D2.3: Urban Sustainable Development

Session D2.4: The Smart City

**12.00 - 12.15**            **COFFEE BREAK**

**12.15 - 13.00**            **PLENARY SESSION**

Room: *Wolfson Lecture Theatre*

12.15 - 12.35

Wrap-up of Parallel Sessions

12.35 - 13.00

Open Discussion

**13.00 - 14.00**            **LUNCH**

## SESSION D2.1: Education and Educational Research

Room: Lower Gallery; Chair: Julia Fotheringham, Edinburgh Napier University

**10:00 - 10:15**      **Enhancing Intercultural Learning Through Study Abroad**

*Marika Antikainen, Metropolia University of Applied Sciences;  
Tiina Piipponen, Metropolia University of Applied Sciences*

**10:15 - 10:30**      **Higher Education at University of Applied Sciences: Competencies Needed in Future**

*Marjatta Kelo, Metropolia University of Applied Sciences*

**10:30 - 10:45**      **The Position of 'Research' in Higher Education Curricula: A Systematic Literature Review**

*Didi M.E. Griffioen, Amsterdam University of Applied Sciences;  
Aron Groen, Amsterdam University of Applied Sciences; Jason Nak, Amsterdam University of Applied Sciences*

**10:45 - 11:00**      **Sustainable Education: The Impact of Professional Master's Programmes in Continuous Learning and Development in Work Organisations**

*Erja Turunen, Metropolia University of Applied Sciences*

**11:00 - 11:15**      **The City as a Canvas: Improvement of Both Art and Entrepreneurship Education Through Exposure and Crosspollination for Innovation and Social Impact**

*Anne-Sophie Andela, Amsterdam University of Applied Sciences*

**11:15 - 12:00**      **Interdisciplinary Thinking Workshop**



## SESSION D2.2: Health and Wellbeing in Urban Environments

Room: Wolfson Lecture Theatre; Chair: Liesbeth van Heck, University College Ghent

**10:00 - 10:15**      **Moving up: Application of Nudging to Promote the Use of Stairs Instead of Elevator in an Amsterdam Neighbourhood**

*Lea den Broeder, Amsterdam University of Applied Sciences and National Institute for Public Health and the Environment; Luuk Mandemakers, Amsterdam University of Applied Sciences and Utrecht University; Ewoud van der Lelij, Amsterdam University of Applied Sciences and Utrecht University*

**10:15 - 10:30**      **Exploring Storytelling as a Social Work Intervention in Processes of Urbanisation**

*Hari Sacré, University College Ghent; Luc de Droogh, University College Ghent; Ann De Wilde, University College Ghent; Sven De Visscher, University College Ghent*

**10:30 - 10:45**      **Qualified Empathy - A Key Element for an Empowerment Professional**

*Eija Raatikainen, Metropolia University of Applied Sciences; LeighAnne Rauhala, Metropolia University of Applied Sciences; Seija Mäenpää, Metropolia University of Applied Sciences*

**10:45 - 11:00**      **Community-based inter-professional education of professionals in care and welfare: focus on vulnerable citizens and diversity**

*Margo van Hartingsveldt, Amsterdam University of Applied Sciences; Fenna Wichers, Amsterdam University of Applied Sciences; Albertina Poelgeest, Amsterdam University of Applied Sciences*

**11:00 - 11:15**      **Developing future Leaders in Health and Social Care Management for a Multicultural Europe: The value of Joint European Masters modules in Health and Social Care Management**

*Gerri Matthews-Smith, Edinburgh Napier University; Janyne Afseth, Edinburgh Napier University*

**11:15 - 11:30**      **Urban Population Ageing: The impact of Intra- and inter-urban variation in linked lives**

*Gustavo Toshiaki Lopes Sugahara, Oslo and Akershus University College; Viggo Nordvik, Oslo and Akershus University College*

**11:30 - 12:00**      **Interdisciplinary Thinking Workshop**

## SESSION D2.3: Urban Sustainable Development

Room: *Upper Gallery*; Chair: *R. Sean Smith, Edinburgh Napier University*

- 10:00 - 10:15**      **Life Cycle Costs of Residential Real Estate as an Economic Success Factor**  
*Mieke Paelinck, University College Ghent; Bart D'Herde, University College Ghent*
- 10:15 - 10:30**      **Engineering Applications of Solar Energy - The Most Potent Renewable Resource**  
*Tariq Muneer, Edinburgh Napier University*
- 10:30 - 10:45**      **A Longitudinal Study of Sound Insulation for Urban Developments Supporting Quality of Life and Sustainable Communities**  
*R. Sean Smith, Edinburgh Napier University; John B. Wood, Edinburgh Napier University*
- 10:45 - 11:00**      **Amsterdam: an urban laboratory**  
*Stan Majoor, Amsterdam University of Applied Sciences; Elke Heijden, Amsterdam University of Applied Sciences; Marie Morel, Amsterdam University of Applied Sciences*
- 11:00 - 11:15**      **Public and Private Actors in Educational Games Development: Modes of Collaboration**  
*Jaana Holvikivi, Metropolia University of Applied Sciences; Maija Nuorteva, University of Helsinki; Leenu Juurola, Heureka Science Centre*
- 11:15 - 11:30**      **Investigation and Critical Evaluation of Sustainable Waste Management Practices at Abertay University, Dundee**  
*Alison Dixon, Robert Gordon University; Wattala Fernando, Edinburgh Napier University*
- 11:30 - 12:00**      **Interdisciplinary Thinking Workshop**

## SESSION D2.4: The Smart City

Room: *Scott Room*; Chair: *Willem van Winden, Amsterdam University of Applied Sciences*

**10:00 - 10:15**      **Optical Fibre Sensors Technology Towards Smart Cities Concept**

*Lourdes S. M. Alwis, Edinburgh Napier University; Abdelfateh Kerrouche, Edinburgh Napier University*

**10:15 - 10:30**      **Smart Cities: Under-Gridding the Sustainability of City-Districts as Energy Efficient-Low Carbon Zones**

*Mark Deakin, Edinburgh Napier University; Alasdair Reid, Edinburgh Napier University; Joel Orsinger, Edinburgh Napier University; Tosin Oya, Edinburgh Napier University*

**10:30 - 10:45**      **Software for Science**

*Marten Teitsma, Amsterdam University of Applied Sciences; Willem Brouwer, Amsterdam University of Applied Sciences; Frank Aldershoff, Amsterdam University of Applied Sciences; Kees Rijsenbrij, Amsterdam University of Applied Sciences*

**10:45 - 11:00**      **Urban delivery concepts of CEP-companies**

*Kai-Oliver Schocke, Frankfurt University of Applied Sciences; Petra K. Schäfer, Frankfurt University of Applied Sciences; Silke Höhl, Frankfurt University of Applied Sciences; Antje Quitta, Frankfurt University of Applied Sciences; Antje Kämmer, Frankfurt University of Applied Sciences; Jesse Brandt, Frankfurt University of Applied Sciences; Senja Blume, Frankfurt University of Applied Sciences*

**11:00 - 11:15**      **Energy Efficient Behaviour Score for the Personal Energy Trainer**

*Jon Stinson, Edinburgh Napier University; John Currie, Edinburgh Napier University*

**11:15 - 11:30**      **Simulating Commuters: What can we Learn from Simulating Commuters**

*Neil Urquhart, Edinburgh Napier University; Grant Smith, Edinburgh Napier University; Simon Powers, Edinburgh Napier University*

**11:30 - 12:00**      **Interdisciplinary Thinking Workshop**