

Smarter homes

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Smarter cities

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# PROGRAM NORDIC EDGE EXPO 2015

# **SEPTEMBER 17TH**

#### WHAT IS A SMART CITY? 09:00-12:30

## Introduction: Cutting Edge Solutions for Smart Cities and Smart Homes Ivar Rusdal, Chairman, Nordic Edge Expo

The Importance of Smart Cities – Opening of Nordic Edge Expo Christine Sagen Helgø, Mayor of the City of Stavanger

Smart Cities and Communities – the EU Perspective

European Commission representative

#### Life in An Urban World

Geoffrey Lean, Contributing Editor Environment, The Daily Telegraph, London

#### Smart Cities x 5

A smart city is liveable, resilient, sustainable, and designed through open and collaborative governance. We have invited 5 cities with different needs and different challenges, to showcase their efforts to become a smarter and better city.



Helsinki

San Francisco

Barcelona

Stockholm

Stavanger

HELSINKI – OPENING UP! Jarmo Elukka Eskelinen, Chair European Network of Living Labs

For Helsinki, Smart City signifies advancing open engagement of the citizens and the rest of the city community, pioneering in open data and transparency of city governance, as well as promoting agile service development

#### SAN FRANCISCO – SUSTAINABLE BY TECHNOLOGY AND BIG DATA

Param Singh, Associate Professor of Business Technologies, Carnegie Mellon University, San Francisco

San Francisco has the vision to fuse sustainability goals with cleantech for maximum effectiveness and environmental benefit. Technology solutions and smarter use of data are key in making San Francisco a truly smart and sustainable city.

#### **BARCELONA - CREATING NEW JOBS**

Alex Serret Garrigues, Manager of Innovation for the City Council of Barcelona

Barcelona is committed to smart employment, and through the Barcelona Growth Initiative they have developed an action plan combining 30 operational measures designed to create new jobs.

#### **STOCKHOLM - COOPERATION GOING GREEN**

Gustaf Landahl, Climate and Environmental Strategist, City of Stockholm

To achieve Stockholm's environmental goals, an efficient cooperation between inhabitants, the private industry, the public sector and many other players is the answer. Environmental and information technology are both key priorities in developing a sustainable society.

#### STAVANGER - BUILDING THE SMART CITY WITH SMARTER HOMES

Tone Grindland, Head of Economic Development, City of Stavanger

The Stavanger-region is now one of the most densely fibered regions of the world. During 2016 all of Lyse<sup>1</sup>s fiber customers will be offered 1 gigabit internet. Toril Nag will share the ideas and solutions behind the commercial fiber rollout in Norway based on Lyses model, and talk about why and how gigabit internet is a necessity for intelligent life.

LUNCH & EXPO 12:30 - 14:00

#### PARALLEL SESSIONS: 14.00 - 15.30

### 1 SMART CITY MEET THE EUROPEAN LIGHTHOUSE CITIES!

Three projects received EU-funding through the Horizon 2020 smart cities lighthouse call 2014: Triangulum, RemoUrban and GrowSmarter. During a five-year period, the lighthouse cities will pilot new solutions combining energy efficiency, ICT and mobility. The goal is to find viable solutions to make cities sustainable, smart, and liveable in the future.

#### a) Triangulum

Triangulum, a Horizon2020 project with Stavanger, Manchester and Eindhoven stands for the three points "demonstrate, disseminate and replicate". The project will implement pioneering concepts for sustainable energy supply, mobility, and information technology and create smart urban districts.

#### b) Remourban

Remourban addresses large-scale interventions and initiatives to demonstrate the potential of the urban regeneration model to deploy integral actions in the energy, mobility and ICT sectors. Lead cities are Nottingham, Valladolid and Tepebasi.

#### c) GrowSmarter

GrowSmarter brings together cities and industry to integrate and demonstrate '12 smart city solutions' in energy, infrastructure and transport. The aim is to provide other cities with valuable insights on how they work in practice and opportunities for replication. Lead cities are Barcelona, Cologne and Stockholm.



A smart city or region need to include the health and care perspective. The demographic changes with an increasingly aging population and a growth in lifestyle and chronic diseases will require smarter and user oriented health and care solutions. These solutions will also include the homes.

#### a) A Global Perspective on Health and Welfare Speaker to be announced

**b) A User Perspective** *Gunnar Crawford, Norsk Telemedisin* 

#### c) Globalized Diagnostic Services Using Video platforms

. Knut Bentzen, Group Director Business Development Strategy, Viju

#### d) Implementations in Municipalities and Economic Gains

Marie Gill, Manager, Swedish Government

# **3** SMART HOME – HOME INNOVATION

#### a) Smart Home Expectations for the Next Decade Eirik Newth. Futurist

How will our homes look like in ten to twenty years? Is the Smartness only based on different features like robotics, sensors, 3D printing of goods and recycling of waste. What about the information that each and everyone of us collect? Do we have an app for everything?

#### b) Smart Home Ecosystems

Gartner Group

# c) The Smart Home as a Platform for Solving the Real Challenges

#### Jan Holm, CEO Smartly

Smartly is Building a Smart Home enabled community where every flat and home are Smart Home Enabled, and ready for service. This is the next generation infrastructure that also embraces elderly people and people with special needs, using the solutions to stay safe and secure at their residence.

#### ENABLING THE SMART CITY: 15.45-16.45

The smart city is about connecting people – and things. What is needed to connect an entire city - traffic lights, streetlights, parking lots, and more - with central management?

a) Building Blocks in a Connected Community Bas Boorsma, Director Business Development, Cisco Europe

#### b) Build Cities for Humans - Not Cars!

Alexandria Ålgard, Alexandria Ålgard Architects The car should no longer rule the city. Expressions and movements of humans are key for designing smart cities.

#### c) The GIGABIT-region

Toril Nag, Executive Vice President Telecom, Lyse The Stavanger-region is now one of the most densely fibered regions of the world. During 2016 all of Lyse's fiber customers will be upgraded to 1 gigabit internet. Toril Nag will share the ideas and solutions behind the commercial fiber rollout in Norway based on Lyses model.

#### **SAFARIS:** 17:00 – 19:00

- 1. Expo-safari
- 2. Smart Business Park
- 3. Smart City Safari
- 4. Smart Home Safari

# **SEPTEMBER 18TH**

#### SMART CITIES FRAMEWORK: 14.00 - 15.30

Smart Government Speaker to be announced

#### Morgenstadt Model – a City of the Future Framework

Alanus Radecki, Fraunhofer

The Morgenstadt Model is a multilevel-approach for managing urban transition towards sustainability. A set of indicators, an integrated action-and response framework and the methodology for identifying and impact factors and frame-conditions make up the model.

### Personal Data and Privacy - Opportunities and Challenges in Smart Homes and Cities

Torgeir Waterhouse, Director for Internett and New Media at IKT-Norway

#### **Open Data as an Enabler for Smarter Cities**

John Paul Farmer, Director of Technology & Civic Innovation. Microsoft

John Paul Farmer believes in the combined power of technology and cross-sector collaboration to drive positive change throughout society. Previously, John served as the Senior Advisor for Innovation in the White House Office of Science and Technology Policy, where he spearheaded the President's innovation agenda.

#### **TABLE INTERACTION WITH COFFEE & SNACKS:** 10:40 - 11:00

#### THE BUSINESS OPPORTUNITY: 11:00 - 12:30

#### **The Chinese Perspective**

Meng Xioa, Digital China

China is building 100 new smart cities. Meng Xioa will explain why, how and provide us with insights on the market potential for smart city technologies and solutions.

### The Smart & Green Plan

Speaker to be announced A plan for making smarter, greener cities - with the stepping stones to get there.

#### **Creating Platforms for New Business** Speaker to be announced

**Opportunities with New Ecosystems and Open Innovation** Dagfinn Wåge, Head of Innovation, Lyse

#### TABLE LUNCH WITH SMART PEOPLE: 12:30 - 13:15

#### **SMART CITIES AS KEYS TO A SMARTER FUTURE** 13:15 - 14:30

#### How Do We Get From Here To There?

Rikke Gram-Hansen, Project leader of Smart City Street Lab,Copenhagen

Rikke has a background in urban studies, and has a great interest in the impact of digital technologies and data on the city and its citizens, and how they can be employed in smart urban planning. She works with open data, strategic partnerships and various activities with citizens, companies and students.

**Realizing Smarter Planet Solutions Through** Innovation and Strategic Transformation Catherine Frase, Vice President and Chief Technology

Officer, IBM Public Sector

Stay smart – go do the job! Ivar Rusdal, Chairman of Nordic Edge Expo

#### EXCURSIONS (optional)

Friday 18th at 16:00 - 19:00 The Lysefjord by boat Saturday 19th at 10:00 – 18:00 The Pulpit Rock

