ZEN

**THE RESEARCH CENTRE ON
ZERO EMISSION NEIGHBOURHOODS
(ZEN) IN SMART CITIES**
NTNU – Faculty of
Architecture and Design
N-7491 Trondheim, Norway
Alfred Getz vei 3
https://fmezen.no

An ICT in Smart City Day event:

How can ICT contribute to Smart City environments?

Wednesday, 30.10.2019
IT-bygget, 4th floor, room 454, Gløshaugen, Trondheim
Kl. 09.00 – 21.30

09.00-09.30   **Welcome**
Amir Sinaeepourfard, Postdoc, ZEN Research Centre, NTNU
Pieter Jelle Toussaint, Professor, NTNU
Sobah Abbas Petersen, Associate Professor, NTNU/SINTEF

09.30-10.30   **An introduction to Azure**
Kristoffer Thomsen, Solution Specialist Education, Microsoft

Session 1: Internet of Things (IoT)

10.30-11.00   **Automatic deployment of software on large fleet of IoT/Edge systems**
Hui Song, Senior Researcher & Project Coordinator of ENACT, SINTEF

11.00-12.00   **Workshop 1: IoT in Azure**
Microsoft

12.00-13.00   **Workshop 2: Edge computing in Azure**
Microsoft

CENTRE FOR ENVIRONMENT-FRIENDLY ENERGY RESEARCH
The Research Council of Norway

NTNU   **SINTEF**

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13.00-13.30	Lunch

Session 2: Data Management

13.30-14.00	**Data management and data governance in Smart Cities**
	Dirk Ahlers, Senior Researcher & Project Manager of CityxChange, NTNU

14.00-15.00	**Workshop 3: Data management in Azure**
	Microsoft

15.00-16.00	**Workshop 4: Docker containers in the Azure container service**
	Kristoffer Thomsen, Solution Specialist Education, Microsoft

16.00-17.00	**Workshop 5: Using Blob storage and Azure machine learning**
	Microsoft

Session 3: Cybersecurity and AI

17.00-17.30	**Cybersecurity from Sensors/IoT to Cloud in large scale environments**
	Saad Qaisar, Associate Professor, National University of Sciences and Technology (NUST)

17.30-18.30	**Workshop 6: Cybersecurity and AI in Azure**
	Kristoffer Thomsen, Solution Specialist Education, Microsoft

18.30-19.00	**Conclusion**
	Amir Sinaeepourfard, Postdoc, ZEN Research Centre, NTNU

19.00-21.30	**Dinner**
	(More information to come)