

E2DC Workshop Program 2015

4° INTERNATIONAL WORKSHOP ON ENERGY-EFFICIENT DATA CENTRES | http://www.dc4cities.eu/en/e2dc_2015/

E2DC 2015 JULY 14TH BANGALORE (INDIA)

Program schedule (preliminary)

9:00 – 9:15

Registration

9:15 – 9:45

Opening Address and Introduction

Titel: DC4Cities – ADAPT BEING ADAPTED

Speaker: Sonja Klingert (University of Mannheim)

9:45 – 10:45

Keynote

Titel: The Pervasive Data Center and the Elusive Negawatt.

Speaker: Amod Ranade, General Manager Data Center Business Development at Schneider Electric

10:45 – 11:00

Coffee Break

11:00 – 13:00

Session 1 – Environmental and Innovative Perspectives for Data Centers

Session Chair: Sonja Klingert

11:00 – 11:10 Environmental and Innovative Perspectives for Data Centers

Research Talks

11:10 – 11:40 Data Center Energy Efficiency Standards in India: Preliminary Findings from a Global Review; Sanyukta Rajee et al.

11:40 – 12:10 Increasing Data Centre Renewable Power Share via Intelligent Smart

City Power Control; Florian Niedermeier et al.

12:10 – 12:40 Next Generation Data Centers Business Models Enabling Multi Resource Integration for Smart City Optimized Energy Efficiency; Massimo Bertoncini et al.

12:40 – 13:00 *Sum Up and Joint Discussion*

13:00 – 14:00

Lunch

14:00 – 16:00

Session 2 – Modeling of Data Centers, Infrastructure and System Behavior

Session Chair: Prof. Dr. Hermann de Meer

14:00 – 14:10 Modeling of Data Centers, Infrastructure and System Behavior

Research Talk

14:10 – 14:40 Modeling impact of power- and thermal-aware fans management on data center energy consumption; Wojciech Piątek et al.

14:40 – 15:10 GEYSER - A Data Centre Energy Simulation Prototype enabling future Hardware in the Loop Testing; Marco Cupelli et al.

15:10 – 15:40 Energy-Minimal Scheduling of Divisible Loads; Agrawal Pragati and Shrisha Rao

15:40 – 16:00 Sum Up and Joint Discussion

16:00 – 16:15

Coffee Break

16:15 – 17:15

Panel Chair: Gunnar Schomaker

Topic: *What drives the Data Centre Community?*

From Business to Research and Back – Is there a place left for sustainability?

Participants: Hermann de Meer (University Passau), Oche Ejembi (University of St Andrews), Amod Ranade (Schneider Electric), Shivkumar Kalyanaraman (IBM Research), Anand Sivasubramaniam (Tata Consultancy Services)



17:15 – 17:30

Closing of the Workshop