MONDAY, SEPTEMBER 19, 2016

09:00 **Welcome, introduction of goals and objectives of the symposium**

09:15 **Plenary lecture by Prof. Manfred Broy (TUM, Zentrum Digitalisierung.Bayern)**
Towards comprehensive models for connected cyber physical systems

10:15 *Coffee break*

10:30 **Session 1: Verification of Networked CPS**

1. Model Checking and Strategy Synthesis for Mobile Autonomy: From Therory to Practice (Marta Kwiatkowska / Univ Oxford)

2. Towards the Symbolic Analysis of Networked Systems
(Klaus Wehrle / RWTH Aachen Univ)

3. Online Verification of Cyber-Physical Systems
(Matthias Althoff / TUM)

12:00 *Lunch break and poster session (Faculty Club)*

13:30 **Plenary lecture by Prof. Werner Damm (Universität Oldenburg)**
Understanding Systems of Cyber-Physical Systems

15:00 **Session *2:* Electric Energy System as Networked CPS**

1. Toward a Unified Approach to Sustainable and Resilient Electric Energy Systems- Modeling, Control and Testbeds
(Marija Ilic / Carnegie Mellon Univ)

2. Real-Time Control of Electrical Distribution-Grids
(Jean-Yves Le Boudec/ EPFL)

3. Challenges in Simulating Future Energy Systems
(Antonello Monti/ RWTH Aachen Univ)

16:30 *Coffee break*

17:00 Panel I

19:00 *Conference Dinner at Gasthof Neuwirt in Garching*
(Gasthof Neuwirt, Münchener Str. 10, 85748 Garching)

18:40 bus transfer from the TUM-IAS building

TUESDAY, SEPTEMBER 20, 2016

09:00 **Welcome note**

09:15 **Plenary lecture by Prof. Karl Hendrik Johansson (KTH, Sweden)**
Cyber-Physical Control of Road Freight Transport

10:15 *Coffee break*

10:30 **Session 3: Traffic System as Networked CPS**

1. Formal Methods for Control of Traffic Networks (Calin Belta / Boston Univ)

2. Future Traffic Management: Towards a Cyber-Physical System Network (Markos Papageorgiou / Tech Univ Crete)

3. Human Roles in CPS Networks: Toward a Classification and a Roadmap (Tariq Samad / Univ Minnesota)

12:00 *Lunch break and poster session (Faculty Club)*

13:30 **Session 4: Control and Security in Networked CPS**

1. Security Problems of Networked Cyber-Physical Systems as Centrality-Based Zero-Sum Games (Ming Cao/ Univ Groningen)

2. Predictive Control Methods for Networked Cyber-Physical Systems (Daniel Quevedo/ Univ Paderborn)

3. CPS with Mixed Time- and Event-Triggered Communication (Samarjit Chakraborty/ TUM)

15:00 *Coffee break*

15:30 Panel II