BMW SUMMER SCHOOL 2018.
DRAFT PROGRAMME.

Intelligent Cars on Digital Roads – Frontiers in Machine Intelligence.

EVA-2018 – Emotion-Aware Vehicle Assistants
6th French-German summer school for PhD candidates and junior scientists.

July 29-Aug 03, 2018
Raitenhaslach, Bavaria, Germany.

Chair: M. Arend (BMW Group), Prof. U. Finger (Eurecom),
Prof. A. Herkersdorf (TUM)

http://summerschool.bmw

ORGANIZATION.

Call for Contributions
https://easychair.org/cfp/EVA-2018

Scientific Committee
Prof. Elisaeth André (UNA)
Martin Arend (BMW Group), co-chair
Asaf Adi (IBM)
Prof. Klaus Bengler (TUM)
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Hannemor Keidel (TUM)
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Reinhard Stolle (BMW Group)
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Prof. Raphael Troncy (Eurecom)
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Organizing committee
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Christine Astor (BMW Group)
Axel Honsdorf (BayFrance), co-chair
Sebastian Herold (BMW Group)
Alizée Bertrand (BayFrance)
Marco A. Salazar Gonzalez (BMW Group)

Contact the organizing team at:
drive.me.2018@easychair.org
PROGRAMME.

All speakers and titles subject to change.


Plenary Session
13:00 - 13:30 Welcome Address by Hannemor Keidel, TUM; Ulrich Finger, Eurecom; Olivier Metz, Université Franco-Allemand
13:00 - 14:00 n.n.
"Opening Speech"
14:00 - 15:00 Mohsen Kaboli, TUM
"AutoTac: Toward the Sens of Touch in Autonomous Vehicles"
15:00 - 16:00 Muriel Lang, TUM
"Modelling humans as a dynamic, hierarchic systems"
16:30 - 18:00 Poster Pitches

Evening
18:00 - 19:30 Cocktail Reception

Monday, July 30, 2018.

Plenary Session
09:00 - 10:00 Industry Keynote: Alexander Zadorojniy, IBM Research Lab Haifa
10:15 – 11:00 Prof. Björn Schuller, Universität Augsburg
"Affective Computing – State of the art"
11:15 – 12:00 Florian Eyben, audEERING
"Advanced Voice and Language Analysis"

Breakout Sessions
14:00 - 17:00 Parallel workshops, breakout into smaller groups, interactive. Topics and moderators: see separate programme on next page.

Poster Fair
17:30 - 19:30 Apero Poster Fair

Fireside Chat
20:00 - 21:00 Rene Wies
Vice President Group IT: Connected Vehicle, Digital Backend, Big Data
BMW Group
Patrick Duvaunt
Directeur de l'innovation, IMT

Tuesday, July 31, 2018.

Plenary Session
09:00 – 10:00 Keynote: Prof. Peter Robinson, Cambridge
"Computing with Emotions"
10:15 – 11:00 Prof. Elisabeth André, Universität Augsburg
"Affective Computing – how machines become likeable"
11:15 – 12:00 Quentin Stafford-Fraser, Cambridge
"Emotion in vehicle drivers"

Lean Startup Machine
14:00 - 17:30 Sprint 1 – Lean Startup Machine

Poster Fair
17:30 - 19:30 Apero Poster Fair

Wednesday, August 01, 2018.

Lean Startup Machine
09:00 - 16:30 Sprint 2 – Lean Startup Machine
18:00 Midweek Social Evet

The BMW Summer School will be organized in three tracks:

Keynote/breakout track – Learning from invited speakers presenting their views and research.

Poster track – presentation & discussion of conference submissions.

Lean startup machine – develop innovative ideas in a competitive startup pitching format.

The summer school 2018 is set up under the umbrella of the German French Academy for the Industry of the Future between TUM and IMT.
Breakout Sessions Programme.

Monday, July 30, 2018.

**Breakout Sessions 14:00 - 17:00**

Session M1  Dr. Ann Morrison, University Southern Queensland  
"Sensate Environments"

Session M2  Jane Vita, Digitalist Group  
"Introduction to Design Thinking"

Session M3  Loren Schwarz, BMW Group  
"Machine Learning methods for Perception, Cognition and Planning tasks in autonomous vehicles"

Session M4  Susanne Müller, Munich School of Philosophy  
"The Enhanced Human. Will We Need a New Self-concept Between Automated Cars and a Super Intelligent Environment?"

Thursday, August 02, 2018.

**Breakout Sessions 09:00 - 12:00**

Session T5  Michal Kümmel, BMW Group  
"The emotion of NOW: Intelligent Mobility Services"

Session T6  Christine Astor, BMW Group  
"Health tech – keeping your (emotional) balance"

Session T7  Thomas Hubregtsen, BMW Group  
"Savvy, canny, witty – building your own chatbots"

Session T8  Wolfgang Wörndl  
"Interactive Recommender Systems in Mobile Scenarios"