

# SCHEDULE.

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
09:00		Keynote 3	Keynote 6	Lean Startup Machine	Breakout Working Session Research Topics	Lean Startup Machine: Final Pitches, Awards
10:00		Morning Coffee	Morning Coffee	Lean Startup Machine	Lean Startup Machine	Open, Farewell
11:00		Keynote 4	Keynote 7	Lean Startup Machine	Lean Startup Machine	
12:00		Keynote 5	Keynote 8	Lean Startup Machine	Lean Startup Machine	
13:00	Welcome Address	Lunch	Lunch	Lunch	Lunch	
14:00	Keynote 1	Breakout Working Session Research Topics	Lean Startup Machine	Orbita	Lean Startup Machine	
15:00	Keynote 2	Registration Break	Lean Startup Machine	Social Activity and	Lean Startup Machine	
16:00	Coffee Break		Lean Startup Machine	Working on business ideas for Lean Startup Machine	Lean Startup Machine	
17:00	Poster Plurals	Agenda Poster Fair	Agenda Poster Fair	Agenda Poster Fair	Agenda Poster Fair	
18:00	Cocktail Reception	Dinner	Dinner	Dinner	Dinner	
19:00		Farewell Chat	Farewell Chat			
20:00						

## DRAFT PROGRAMME.

- Keynote/breakout track** – Learning from invited speakers presenting their views and/or research.
- Poster track** – presentation & discussion of conference submissions.
- Lean startup machine** – develop innovative ideas in a competitive startup pitching format.
- BMW HR:** interview track with development experts. Academic Career Coaching option.

# ORGANIZATION.



July 9-14, 2017, Bad Wörishofen, Bavaria, Germany.

**Venue**  
Hotel Steigenberger, Bad Wörishofen

**Scientific Committee**  
Paul Alibert (Bureau de Coopération Universitaire, french embassy)  
Martin Arend (BMW Group)  
Prof. Jörg Conradt (TUM)  
Cornelia Denk (BMW Group)  
Prof. Ulrich Finger (EURECOM), co-chair  
Thomas Goldbrunner (TUM)  
Prof. Jérôme Haerri (EURECOM)

Prof. Andreas Herkersdorf (TUM), co-chair  
Prof. Benoit Huet (EURECOM)  
Prof. Patrick Loiseau (EURECOM)  
Prof. Jörg Ott (TUM)  
Hannemor Keidel (TUM)  
Reinhard Stolle (BMW Group)  
Mario Tokarz (BMW Group)  
Hans-Jörg Vögel (BMW Group)

**Organizing committee**  
Christine Astor (BMW Group)  
Cornelia Denk (BMW Group)  
Axel Honsdorf (BFHZ), co-chair  
Sebastian Herold (BMW Group)  
Antoinette Humeau (BFHZ)  
Doreen Huenteler (BMW Group)  
Bianca Kusterer (BMW Group)

Valentina Nikolova (BMW Group)  
Stefanie Schindler (BMW Group)  
Stefanie Trautwein (BMW Group)  
Hans-Jörg Vögel (BMW Group), chair

Contact the organizing team at:  
driveme2017@easychair.org

# BMW SUMMER SCHOOL 2017.

DRAFT PROGRAMME.

## Intelligent Cars on Digital Roads – Frontiers in Machine Intelligence.

**DRIVE-ME**  
5<sup>th</sup> French-German summer school for PhD candidates and junior scientists.

July 9-14, 2017.  
Bad Wörishofen, Bavaria, Germany.

Chair: Prof. U. Finger (Eurecom) & Prof. A. Herkersdorf (TUM)

<http://summerschool.bmw>

Organized by:



In Cooperation with:



Co-funded by:



# DRAFT PROGRAMME.

All speakers and titles subject to change.

## Sunday, July 09, 2017.

### Plenary Session

- 12:30 - 13:00 Welcome Address
- 13:00 - 14:00 Prof. Björn Schuller, Uni Passau & Imperial College  
"Affective Computing on the Road"
- 14:00 - 15:00 Prof. Eyal Amir, CEO, Parknav; Co-Founder AI-Incube; &  
University of Illinois at Urbana-Champaign  
"Intelligent Parking"
- 15:00 - 16:00 Prof. Stephan Scherer, Assoc. Director of Neural Information  
Processing, Institute for Creative Technologies, USC  
"Behavior Analytics and Machine Learning"
- 16:30 - 18:00 Poster Pitches

### Evening

- 18:00 - 19:30 Cocktail Reception

## Monday, July 10, 2017.

### Plenary Session

- 09:00 - 10:00 Industry Keynote: Mobileye; Gaby Hayon, SVP R&D
- 10:15 - 11:00 Prof. Ahmed Helmy, UF CISE  
" Vehicular mobility measurement, modeling and simulation"
- 11:15 - 12:00 Prof. Stephan Sigg, Aalto University  
"Device-Free Activity Recognition"

### Breakout Sessions

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

### Poster Fair

- 17:30 - 19:30 Apero Poster Fair

### Fireside Chat

- 20:00 - 21:00 Prof. Jörg Ott, TUM; Prof. Ahmed Helmy, UF CISE  
Academic Career Discussions

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## Tuesday, July 11, 2017.

### Plenary Session

- 09:00 - 10:00 Prof. Daniel Cremers, TUM  
"Computer Vision for Self-Driving Cars"
- 10:15 - 11:00 Prof. Fadi Kurdahi, University of California, Irvine  
"Self-Aware Chips and Systems"
- 11:15 - 12:00 Prof. Jörg Conradt, TUM  
"Neuromorphic Systems"

### Lean Startup Machine

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

### Poster Fair

- 17:30 - 19:30 Apero Poster Fair

### Fireside Chat

- 20:00 - 21:00 Reinhard Stolle, Vice President Artificial Intelligence,  
Machine Learning, BMW Group

## Wednesday, July 12, 2017.

### Lean Startup Machine

- 09:00 - 16:30 Sprint 2 – Lean Startup Machine

- 17:00 - 19:00 Stephan Meier, Author  
New/lost human wisdom vs super-size-AI

### Fireside Chat

- 20:00 - 21:00 Stephan Meier, Author  
Reading from „NOW“

# DRAFT PROGRAMME.

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## Thursday, July 13, 2017.

### Breakout Sessions

- 09:00 - 12:00 Parallel workshops, breakout into smaller groups, interactive.  
Topics and moderators: see separate programme.

### Lean Startup Machine

- 14:00 - 17:30 Sprint 3 – Lean Startup Machine

### Poster Fair

- 17:30 - 19:30 Apero Poster Fair

## Friday, July 14, 2017.

### Lean Startup Machine

- 09:00 - 12:00 Lean Startup Machine: Final Pitches, Awards

### Plenary Session

- 12:00 - 13:00 Closure, Farewell

### 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 2017 is set up under the umbrella of the German French Academy for the Industry of the Future between TUM and IMT.**

# DRAFT PROGRAMME.

All speakers and titles subject to change.

## Breakout Sessions Programme.

### Monday, July 10, 2017.

#### Breakout Sessions 14:00 - 17:00

- |            |  |
|------------|--|
| Session M1 | Matthias Hense and Martina Schollmeyer, BMW Group<br>“Privacy – Legal Framework and Technological Challenges”  |
| Session M2 | Jane Vita, Digitalist Group and Thomas Herlin, EIT Digital<br>“Introduction to Design Thinking”  |
| Session M3 | Jan Göpfert, ID-Consult and The Association of German Engineers VDI<br>„Mastering Complexity and Customer Requirements Variability in Product Development Processes“ |
| Session M4 | t.b.a.   |

### Thursday, July 13, 2017.

#### Breakout Sessions 09:00 - 12:00

- |            |  |
|------------|--|
| Session T5 | Prof. Jörg Conradt, TUM<br>“Neuromorphic Systems Lab”  |
| Session T6 | Susanne Müller, Munich School of Philosophy<br>“The Enhanced Human. Will We Need a New Self-concept Between Automated Cars and a Super Intelligent Environment?” |
| Session T7 | Priv.-Doz. Florian Röhrbein, Program Director Human Brain Project Neurorobotics and Florian Walter, TUM<br>“Neurorobotics”                                       |
| Session T8 | t.b.a.   |