

SCHEDULE.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
09:00	Welcome Address Conference Opening Morning Coffee	Keynote 2 (plenary) Morning Coffee	Keynote 4 (plenary) Morning Coffee	Lean Startup Machine	Lean Startup Machine	Lean Startup Machine: Final Photos, Awards
10:00	Opening Keynotes	Keynote 3 (plenary)	Keynote 5 (plenary)	Lean Startup Machine	Lean Startup Machine	Lean Startup Machine: Final Photos, Awards
11:00						
12:00	Lunch	Lunch	Lunch	Lunch	Lunch	Coffee, Farewell
13:00						
14:00	Keynote 1 (plenary)	Breakout Workshop Session Research Topics		Breakout Workshop Session Research Topics	Lean Startup Machine	
15:00	Poster Photos					
16:00	Coffee Break	Social Break	Midweek Social Event	Coffee Break		
17:00	Agenda Poster Fair			Agenda Poster Fair	Agenda Poster Fair	
18:00		Dinner				
19:00	Cocktail Reception & Dinner	Frisbee 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 15-July 20, 2019, Fall (Lenggries), Bavaria, Germany.

Venue
Hotel Jäger von Fall, Lenggries, Bavaria, Germany.

Call for Contributions
<https://easychair.org/cfp/driveme2019>

Scientific Committee
 Prof. Klaus Bengler (TUM)
Prof. Ulrich Finger (EURECOM),
 co-chair
 Prof. Jérôme Haerri (EURECOM)
Prof. Andreas Herkersdorf (TUM),
 co-chair

Prof. Benoit Huet (EURECOM)
 Prof. Jörg Ott (TUM)
 Hannemor Keidel (TUM)
 Hans-Jörg Vögel (BMW Group)
Michael Würtenberger (BMW Group),
 co-chair

Organizing committee
 Paul Alibert (Bureau de Coopération
 Universitaire, french embassy)
 Elsa-Claire Elisée (DFH)
Prof. Jérôme Härrri (Eurecom), co-chair
Axel Honsdorf (BayFrance), co-chair
 Zuzana Petrik (BayFrance)
 Stefanie Schindler (BMW Group)

Martin Tholund (BMW Group)
Hans-Jörg Vögel (BMW Group),
 co-chair
 Lena Niebauer (BMW Group)
 Peter Sommer (BMW Group)

Contact the organizing team at:
driveme2019@easychair.org

BMW SUMMER SCHOOL 2019.

DRAFT PROGRAMME.

Intelligent Cars on Digital Roads – Frontiers in Machine Intelligence.

Artificial Intelligence: New approaches and chances in urbanization, mobility and society
 7th French-German summer school for PhD candidates and junior scientists.

July 15-July 20, 2019.
 Fall (Lenggries), Bavaria, Germany.

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

<http://summerschool.bmw>

Organized by:



In Cooperation with:



Co-funded by:



PROGRAM.

All speakers and titles are subject to change.

Sunday, July 14, 2019.

French National Holiday

First arrivals at conference venue

Monday, July 15, 2019.

Plenary Session

09:00 - 10:00 Welcome Addresses

Plenary Session - Opening Keynote

10:00 - 11:00 Carlo Ratti, Head of MIT Senseable City Lab

Plenary Session - Trends in Urbanization, Smart Cities and Transport

11:00 - 12:00 Prof. Jörg Ott, n.n.; Computer Science and Architecture, TUM

Lunch Break

12:00 - 14:00

Plenary Session - Trends in Urbanization, Smart Cities and Transport

14:00 - 16:00 Pang Heng Soon, SGInnovate, Singapore
Prof. Bernd Nentwig (enq.), Bauhaus Universität Weimar

Poster Fair

17:00 - 19:00 Apero Poster Fair: see separate program.

Social

19:30 - 22:00 Cocktails and dinner.

Tuesday, July 16, 2019.

Plenary Session – Artificial Intelligence, IoT and Mobility

09:00 - 12:00 Weiyun Jiao, ITSC, Ministry of Transport, P.R.China
Prof. Arnaud de la Fortelle, Mine ParisTech
Prof. Jean-François Bruneau, IVADO

Lunch Break

12:00 - 14:00

PROGRAM.

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Tuesday, July 16, 2019 (contd.).

Breakout Sessions

14:00 - 17:00 Parallel interactive workshops in small groups.
Topics and moderators: see separate program on next page.

Social

18:30 - 20:00 Dinner.

Fireside Chat

20:00 - 22:30 Dr. Markus Grueneis
Vice President Production System, Digitalization, Operational
Excellence, BMW Group

Wednesday, July 17, 2019.

Plenary Session – Future Living, AI and Crime, Mobility & Society, Risk

09:00 - 12:00 Harkirat Singh (enq.), Palantir
Ulrich Fastenrath, BMW Group
Toni Cheng (enq.), Alibaba

Midweek Social Event

14:00 - 20:00 Excursion: Hochseilgarten, Hiking, High Altitude Mountaineering

Thursday, July 18, 2019.

Lean Startup Machine

09:00 - 12:00 Sprint 1 – Lean Startup Machine

Lunch Break

12:00 - 14:00

Breakout Sessions

14:00 - 17:00 Parallel interactive workshops in small groups.
Topics and moderators: see separate program.

Poster Fair

17:30 - 19:30 Apero Poster Fair: see separate program.

PROGRAM.

All speakers and titles are subject to change.

Thursday, July 18, 2019 (contd.).

Social

18:30 - 20:00 Dinner.

Friday, July 19, 2019.

Lean Startup Machine

09:00 - 12:00 Sprint 2 - Lean Startup Machine

Lunch Break

12:00 - 14:00

Lean Startup Machine

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

Poster Fair

17:30 - 19:30 Apero Poster Fair: see separate program.

Social

18:30 - 20:00 Farewell Dinner.

Saturday, July 20, 2019.

Plenary Session

09:00 - 13:00 Lean Startup Machine: Final Pitches; Closure, Farewell

The BMW Summer School is 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

Transferrable skills: develop innovative ideas in competitive pitching format.

BREAKOUT PROGRAM.

Tuesday, July 16, 2019.

Breakout Sessions 14:00 - 17:00 in-depth, thinking out of the box, f'up discussions on plenary session topics

- Session M1 Stefan Pohlmann, Tahiraj Ilir, BMW Group (enq.)
"Case Study: AI in automobile Production and Logistics"
- Session M2 Jane Vita, Digitalist Group
"Introduction to Design Thinking"
- Session M3 David Mesterhazy, IBM; Tom Hubregtsen, BMW Group
"Quantum Computing Basics"(enq.)
- Session M4 Susanne Müller, Munich School of Philosophy
"Human versus AI? Ethical reflections on and frontiers in an unequal relationship."

Thursday, July 18, 2019.

Breakout Sessions 09:00 - 12:00 – Focus on innovation methodologies, supporting lean startup machine, potentially co-branded with BMW Startup Garage, Innovationswerk Accelerator, UnternehmerTUM, MakerSpace

- Session T5 Judith Wewerka, BMW Group / TUM
"AI in automotive product development"
- Session T6 David Mesterhazy, IBM; Tom Hubregtsen, BMW Group
"Quantum Machine Learning" (enq.)
- Session T7 Irina Gaponova, BMW Group
"Predicting Car-Sharing Demand" (enq.)
- Session T8 Kyle Hounslow, Digitalist
"Designing AI/ML value in an organization"

POSTER PROGRAM.

Tuesday, July 16, 2019.

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

Wednesday, July 17, 2019.

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

POSTER PROGRAM.

Thursday, July 18, 2019.

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