

Kindly hosted by The Representation of the Free State Of Bavaria to the European Union

YOU ARE CORDIALLY INVITED TO  
THIS YEAR'S HIGH LEVEL EVENT

# FROM EXCELLENT RESEARCH TO EXCELLENT INNOVATION – ARE UNIVERSITIES READY FOR THE FUTURE?

To retain global competitiveness built on breakthrough innovations, Europe needs to capitalize on its excellent science and technology. HORIZON 2020's approach to address research and innovation under one programme was a step in the right direction. The 9th Framework Programme for Research and Innovation should go even further, in order to ensure impact in terms of high-growth industries or radically new solutions to societal challenges.

The event will foster discussion around fundamental questions on how Europe can best exploit the full potential of science and technology:

- ☒ How can Europe win the global battle for top talent?
- ☒ Open Innovation 2.0: is it possible to bridge the gap between science and the outside world?
- ☒ Do innovation eco-systems really exist in Europe? Why do they matter?

## Programme:

- |       |                                                                                                                                 |
|-------|---------------------------------------------------------------------------------------------------------------------------------|
| 18.00 | Registration and welcome drink. Interactive demonstration of excellent research-driven projects with high innovation potential. |
| 18.30 | Scientific pitches and High Level Panel Discussion (including Q & A with audience)                                              |
| 20.00 | Networking Reception and Demonstration                                                                                          |

## With the participation of:

<b>ROBERT-JAN SMITS</b>	Director-General for Research and Innovation, European Commission
<b>BARBARA SCHRETTER</b>	Director, Representation of the Free State of Bavaria to the European Union
<b>ANDERS BJARKLEV</b>	President, Technical University of Denmark
<b>JAN MENGELEERS</b>	President, EuroTech Universities Alliance and President, Eindhoven University of Technology
<b>ANASTASIA AILAMAKI</b>	Director of Data-Intensive Applications and Systems Laboratory and ERC Grantee, Ecole Polytechnique Fédérale de Lausanne
<b>DANIEL CREMERS</b>	Professor of Computer Vision and Pattern Recognition and ERC Grantee, Technical University of Munich
<b>OLINE VINTER OLESEN</b>	Senior Researcher, Technical University of Denmark and Chief Technology Officer, TracInnovations
<b>MAARTEN STEINBUCH</b>	Professor of Control Systems Technology, Eindhoven University of Technology
<b>JACKI DAVIS</b>	Moderator, Managing Director, Meade Davis Communications

## ROBERT-JAN SMITS

Director-General for Research and Innovation,  
European Commission



Robert-Jan Smits has been the Director-General of DG Research and Innovation (RTD) at the European Commission since 2010. In this capacity he is responsible for defining and implementing the EU policy and programmes in the field of research and innovation (average annual budget

8 billion euro). He has degrees from Utrecht University in The Netherlands, Institut Universitaire d'Hautes Etudes Internationales in Switzerland and Fletcher School of Law & Diplomacy in the United States of America.

## ANDERS BJARKLEV

President, Technical University of Denmark



Anders Bjarklev graduated with an MSc in Electrical Engineering, a PhD in Optical Fibre Characterization and Doctor technics from DTU. He has been working at DTU since 1985 and in November 2011 he became President of the University. Anders Bjarklev serves as a referee on several international

journals and is author and co-author of 2 books and more than 155 international journal articles. He is a co-founder of the company Crystal Fibre A/S and is a Fellow of the Optical Society of America.

## JAN MENGELEERS

President, EuroTech Universities Alliance and President, Eindhoven University of Technology



Jan Mengelers has been Chairman of the Executive Board of Eindhoven University of Technology since 2014. He gained his engineer's title in mechanical engineering at TU/e in 1979 and became a scientific researcher at the Dutch Energy Research Centre. During his career, he has carried out scientific research at the Philips Research

Laboratories and has held a number of management positions at Nedcor. From 1997 to 2001, Jan Mengelers was President & CEO of Neways Electronics International. Between 2001 and 2014, he worked at the Netherlands Organisation for Applied Scientific Research (TNO), including as Chair of the Board of Management from 2008.

## ANASTASIA AILAMAKI

Director of Data-Intensive Applications and Systems Laboratory and ERC Grantee, Ecole Polytechnique Fédérale de Lausanne



Anastasia Ailamaki received her PhD in Computer Science from the University of Wisconsin-Madison in 2000. She has received an ERC Consolidator grant (2013), an ERC PoC Grant (2017), a Finmeccanica endowed chair from the Computer Science Department at Carnegie Mellon (2007), a European Young Investigator Award from the European Science Foundation (2007)

an Alfred P. Sloan Research Fellowship (2005), and several best-paper awards at top scientific conferences. Anastasia Ailamaki is CEO of a start-up, RAW Labs, which markets revolutionary software to analyse and understand raw data. Anastasia is an ACM Fellow and a member of the Expert Network of the World Economic Forum.

## DANIEL CREMERS

Professor of Computer Vision and Pattern Recognition and ERC Grantee, Technical University of Munich



Daniel Cremers received his Master's degree in Theoretical Physics (Heidelberg) and his PhD in Computer Science (Mannheim). He spent three years as postdoctoral researcher in the US (UCLA and Princeton). From 2005 to 2009, he was associate professor at the University of Bonn. Since 2009, he has held the Chair for Computer Vision

and Pattern Recognition at TUM. Daniel Cremers has been awarded three times by the ERC - a Starting Grant (2009), a Proof of Concept Grant (2014) and a Consolidator Grant (2015). In 2010, he was listed among "Germany's top 40 researchers below 40" and in 2016, he received the Leibniz Award, the highest award in German academia.

## OLINE VINTER OLESEN

Senior Researcher, Technical University of Denmark and Chief Technology Officer, TracInnovations



Oline Vinter Olesen obtained her PhD in 2011, in collaboration with Siemens, Technical University of Denmark and Rigshospitalet, the largest hospital in Denmark. Oline is now working as Senior Researcher at DTU Compute. As CTO of TracInnovations, a DTU spin out, she is developing accurate marker-less

head tracking, using computer vision technology for medical applications. Overall clinical contact and communication has been a key focus and a tool to understand the needs and explore technical solutions.

## MAARTEN STEINBUCHE

Professor of Control Systems Technology, Eindhoven University of Technology



From 1987 to 1999, Maarten Steinbuch worked with Philips, Eindhoven. Since 1999, he has been full professor and chair of the Control Systems Technology group of the Mechanical Engineering Department of TU/e. He is CEO of Medical Robotic Technologies BV, and faculty of SingularityU Netherlands. Since 2014, he has also been Scientific Director of the TU/e High Tech Systems

Center. In 2003, 2005, 2008 and 2015, he obtained the 'Best-Teacher' award of the Department of Mechanical Engineering, TU/e. In 2016, he was awarded as Simon Stevin Meester, the highest Dutch award for Scientific Technological research. His research interests are modeling, design and control of motion systems, robotics, automotive powertrains and of fusion plasmas.

## JACKI DAVIS

Moderator,  
Managing Director,  
Meade Davis Communications



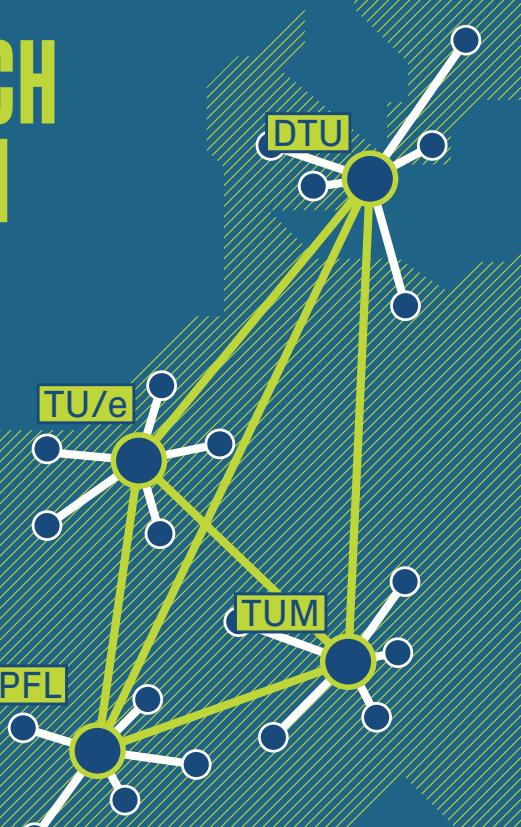
Jacki Davis is an experienced journalist, speaker and moderator of high-level events both in Brussels and in EU national capitals, the editor of many publications, a regular broadcaster on television and radio, and a Senior Adviser to the European Policy Centre think tank.

Jacki has been based in Brussels for 20 years, and was previously Communications Director of the European Policy Centre think tank; Editor-in-Chief of E!Sharp magazine; and launch editor of the Brussels-based weekly newspaper European Voice.

# FROM EXCELLENT RESEARCH TO EXCELLENT INNOVATION

A strategic partnership of four leading universities of science and technology, committed to finding solutions to grand societal challenges.

Through the Alliance, they combine their research strengths and connect their innovation eco-systems, contributing to Europe's leadership in technology.



## OUR PARTICIPATION IN THE EU FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

	Overall EU funding in million euros	Number of European Research Council Grants
FP7 7th research framework programme 2007 – 2013	<b>755</b>	<b>145</b>
Horizon 2020 Funding as of June 2017	<b>347</b>	<b>91</b>

## NUMBER OF START-UPS AND SPIN-OFFS CREATED BY US

**633**  
2013 – 2016

## TECHNOLOGIST – INNOVATION. EXPLAINED.

A flagship initiative of the Alliance, Technologist magazine showcases the best and most exciting research and innovation from Europe and beyond, promoting debate on the role of science in Europe.

Issue 14 of the magazine features on Europe's potential to lead the world in research and innovation. Not to miss out!