

#EWEP2018

EUROPEAN LEADERSHIP THROUGH DISRUPTIVE TECHNOLOGIES

**Future And Emerging
Technologies Towards 2030**

March 7th 2018

European Parliament, Room A5E-2, Brussels, Belgium

AGENDA

- 17.30 - 18.00 : **Registration of Participants**
- 18.00 - 18.15 : **Welcome Speech**
Patrizia Toia, Vice-Chair ITRE Committee, European Parliament
Isabella De Monte, ITRE Committee, European Parliament
- 18.15 - 18.30 : **The benefits of FET's Programme for the European Leadership**
Khalil Rouhana, Deputy Director General DG CONNECT, European Commission
- 18.30 - 18.45 : **Success Stories: The FET Programme's experience: disruptive and interdisciplinary research as the basis for radical innovation**
Paul Lukowicz, Head of the Embedded Intelligence group at DFKI
Olivier Frey, Microphysiological Systems Project Manager, InSphero AG
- 18.45 - 19.40 : **Round Table - The FET Programme towards 2030**
Moderated by **Daniela Corda**, Director, Institute of Protein Biochemistry, CNR
Dermot Diamond, FET Advisory Group Co Chair, INSIGHT Centre, National Centre for Sensor Research
Jerzy Langer, Former FET Advisory Group Chair, Polish Academy of Sciences
Maria Chiara Carrozza, Interim Evaluation of Horizon 2020 FET Flagships Chair, Scuola Superiore Sant'Anna di Pisa
Annika Thies, EARTO member, Helmholtz Association
Vincent Van der Leest, Director Business Development, Intrinsic ID
- 19.40 : **Closing remarks**
Patrizia Toia, Vice-Chair ITRE Committee, European Parliament
Isabella De Monte, ITRE Committee, European Parliament
- 19.45 : **Networking Cocktail**

SPEAKERS

Patrizia Toia Vice-Chair of the Committee on Industry, Research and Energy at the European Parliament for the Group of the Progressive Alliance of Socialists and Democrats. In addition, Toia is a member of the MEP Heart Group (sponsored by the European Heart Network (EHN) and the European Society of Cardiology (ESC)), a group of parliamentarians who have an interest in promoting measures that will help reduce the burden of cardiovascular diseases.

Isabella de Monte Member of the Committee on Industry, Research and Energy at the European Parliament for the Group of the Progressive Alliance of Socialists and Democrats.

Khalil Rouhana Deputy Director-General in DG Communications Networks, Content and Technology (CNECT). Previously he was Director for Components and Systems in the same DG. He has been working in different positions at the European Commission since 1992, when he started working as policy officer in the Future and Emerging Technologies Unit. Previously he worked as Director of Esigetel (the "Ecole supérieure d'Ingénieurs en Génie Informatique et Télécommunications") Chambre of Trade and Industry of Seine et Marne – France.

Maria Chiara Carrozza Chair of the evaluation panel during the Interim evaluation process of the Horizon 2020 FET Flagship projects. She is Scientific Director of Fondazione Don Carlo Gnocchi ONLUS in Milano, a Network of Research Hospitals dedicated to Rehabilitation and Personal Assistance, combining this activity with her role as full Professor of Industrial Bioengineering at the Sant'Anna School of Advanced Studies in Pisa (she holds a PhD in Engineering at the same School). She was the Minister of Education, University and Research of Italy, from 28 April 2013 to 21 February 2014, Member of Italian Parliament from 2013 to 2018, and Rector of Sant'Anna School from 1 November 2007 to 26 February 2013.

Daniela Corda Co chair of the FET Flagships Board of Funders (BoF FLAGERA), one of the FET Flagships (FFs) governance bodies, bringing together main funders of both projects. She is an active cell biologist, Director of the Institute of Protein Biochemistry of the CNR in Naples, and she has been nominated as the Delegate of the Italian Ministry of Research (MIUR) for Horizon 2020 (ERC, MSCA, FET programs) at the European Commission. Since 1998 she has been active in science policy focusing on career development in Europe and on gender-related issues within European organisation such as the European Life Scientist Organisation (ELSO), the EC Marie Curie Programme, the European Molecular Biology Organization (EMBO), the Federation of European Biochemical Societies (FEBS) where she has also chaired the Working Group on the Career of Young Scientists, and is a member of the genSET Science Leaders Panel.

Dermot Diamond He is currently a principal investigator in the SFI INSIGHT Centre and Co-Chair of the European Future and Emerging Technologies programme Advisory Group (FETAG). He was Vice-President for Research at Dublin City University (2002-2004) and was director (2007-2015) and founding member of the National Centre for Sensor Research at DCU. In 2002, he was awarded the inaugural silver medal for Sensor Research by the Royal Society of Chemistry, London.

Olivier Frey Head of Technologies & Platforms and Project Manager of Microphysiological Systems at InSphero AG, former group leader of the Bio Engineering Laboratory of ETHZ (Swiss Federal Institute of Technology in Zurich). He has been involved in Research since 2005, focusing on Integrated Biosystems. He is the coordinator of the FET funded project Body-on-a-Chip, of which proof of concept experiments have been described in 7 peer-reviewed publications including Nature Communications, Lab on a Chip, and the Journal the Journal of Biotechnology and of which technology is currently commercially implemented at InSphero.

Jerzy Langer Physics emeritus professor at the Institute of Physics, Polish Academy of Sciences. Fellow and former Foreign Secretary of Academia Europaea, Fellow of the American Physical Society and Founding Member and Honorary Vice President of Euroscience. He was the key advisor to the President of Polish Academy of Sciences and then became a Deputy Minister of Science and currently involved as member of the High Level Smart Specialisation Strategy Platform mirror group (DG REG). He chaired the Future and Emerging Advisory Group since 2017.

Paul Lukowicz Full Professor of Artificial Intelligence at the Technical University of Kaiserslautern (TUK) in Germany and head of the Embedded Intelligence group at the German Research Center for AI (DFKI GmbH) since 2012. Previously he was full Professor of Computer Science at the University of Passau from 2006-2012. After finishing his PhD in 1999 he held the post of senior researcher at the Electronics Laboratory at the Department of Information Technology and Electrical Engineering of ETH Zurich until 2003, and from 2003-2006 he was Professor at the Institute for Computer Systems and Networks, University for Health Sciences, Medical Informatics and Technology, Innsbruck (UMIT), Austria. Paul Lukowicz has coordinated various FET projects, such as SOCIONICAL, CIMPLEX and SimpleSkin

Annika Thies has been the Director of the Brussels Office of Helmholtz Association of German Research Centres since 2014. In that function she focuses on EU research policy and the future framework programme as well as Research Infrastructures. Holding a law degree by the University of Trier, she had previously been working as legal advisor for the German Aerospace Center, the Helmholtz Brussels office and the European Commission. The Helmholtz Association is Germany's largest research organisation and a member of EARTO. Helmholtz centres are very active in the FET Flagship projects.



USEFUL RESOURCES FROM THE EUROPEAN COMMISSION

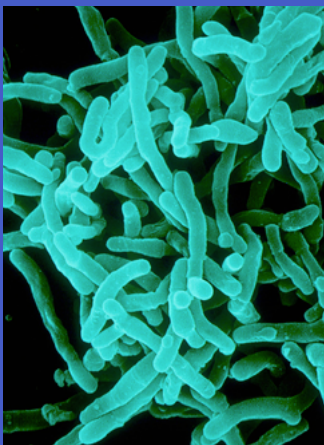
- Mission-Oriented Research & Innovation in the EU (ISBN 978-92-79-79832-0)
- LAB – FAB – APP: Investing in the European future we want (ISBN 978-92-79-70571-7)
- Europe is back: Accelerating breakthrough innovation (ISBN 978-92-79-79349-3)
- Communication adopted on 14 February 2018 on a New, Modern Multiannual Financial Framework

https://ec.europa.eu/commission/sites/beta-political/files/communication-new-modern-multiannual-financial-framework_en.pdf

- Communication on the interim evaluation of Horizon 2020

<https://ec.europa.eu/transparency/regdoc/rep/1/2018/EN/COM-2018-2-F1-EN-MAIN-PART-1.PDF>

- FET Flagship Interim Evaluation Report (ISBN 978-92-79-65736-8)



ORGANIZERS

ITRE The Committee on Industry, Research and Energy is the working group within the European Parliament responsible of industry, especially technology-intensive manufacturing, information technology, and telecommunications, and therefore its duties are in relation to initiatives such as the Joint Research Centre and the Institute for Reference Materials and Measurements. Concerning energy, one major area of activity for the committee is energy policy, safety, and efficiency.

EFFECT The EFFECT project, funded by the HORIZON 2020 FET-Open Programme, aims to enhance visibility and impact of FET research among a wide variety of actors - researchers, industry, policy makers, civil society organisations, citizens and students - and to stimulate debate and collaboration among multiple stakeholders through dedicated community building and public engagement activities.

Continue to follow the conversation on Twitter:

