



Welcome address on behalf of HEP Tech
Jean-Marie Le Goff/CERN

heptech.web.cern.ch



About HEP Tech

- HEP Tech is Europe's High Energy Physics Technology Transfer network established in 2008;
- Created by, and reports to CERN Council:
 - in response to the first European Strategy for Particle Physics,
 - explicitly stated in the Strategy update of 2013;
- Funded by Members, CERN grant and activity income.



Members



23 major research institutions active in particle, astro-particle and nuclear physics of 15 CERN member-states, represented by their knowledge transfer offices.



Greenland

Iceland

Norway

Denmark

United Kingdom

Germany

Czech Rep.

France

Netherlands

Poland

Hungary

Romania

Bulgaria

Portugal

Spain

Italy

Greece

Israel



Objectives

HEPTech would like to be the innovation access point for big science research infrastructures by:

- Best practice exchange and capacity building within the Network;
- Establishing and maintaining relations with industry to foster innovation, driven by research infrastructures;
- Acquisition of additional funds through third party funded projects.



Activities

- ***Academia-Industry Matching Events (AIMEs)***
 - Technology-themed events for matchmaking between particle physics and other research disciplines' needs, with industrial capabilities;
 - The core offering of HEPTEch to its members and the wider community;
 - Active programme in this field.

“The first exposure of our new developments to real experts outside of our own community” – nanotech

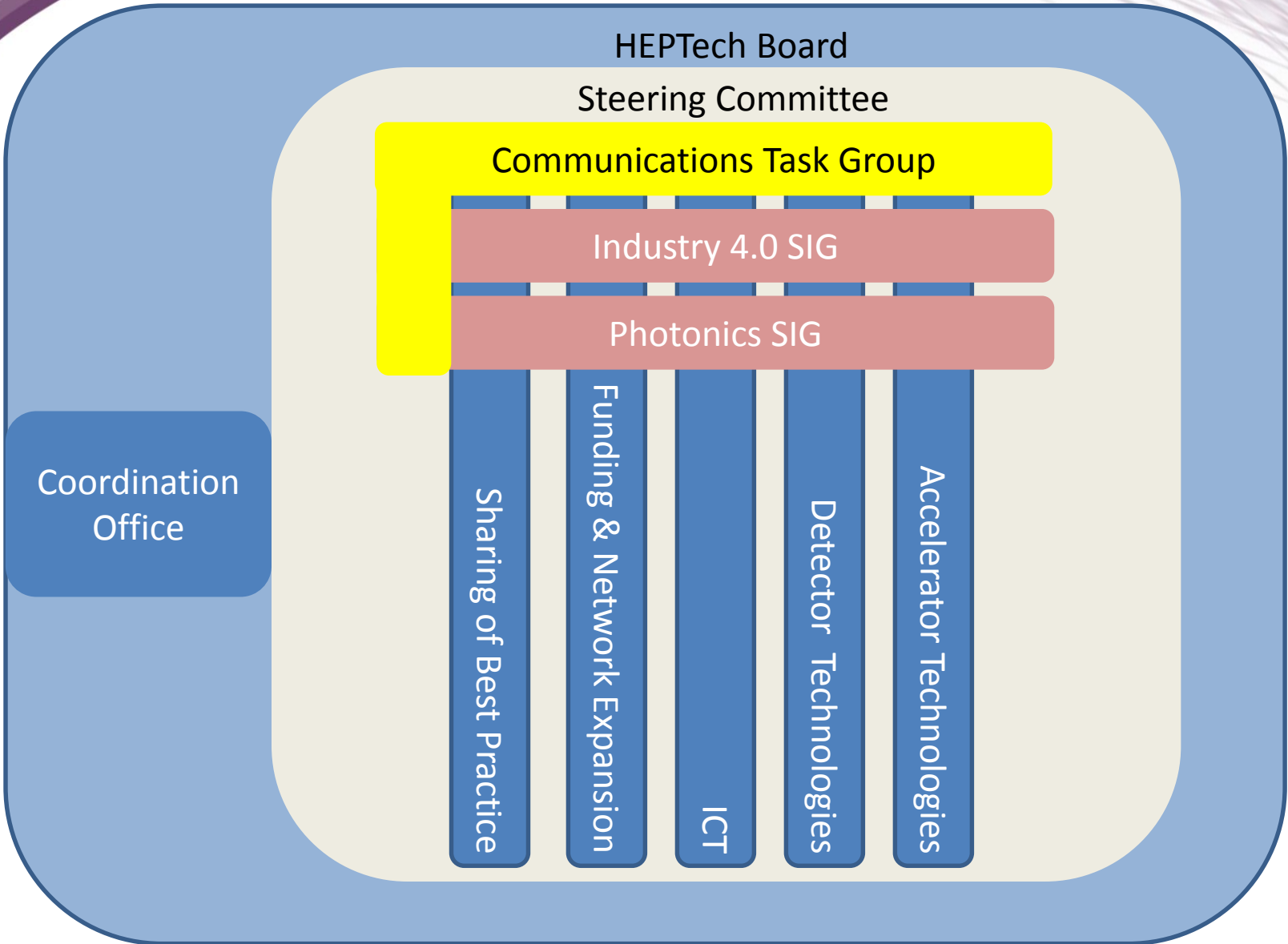


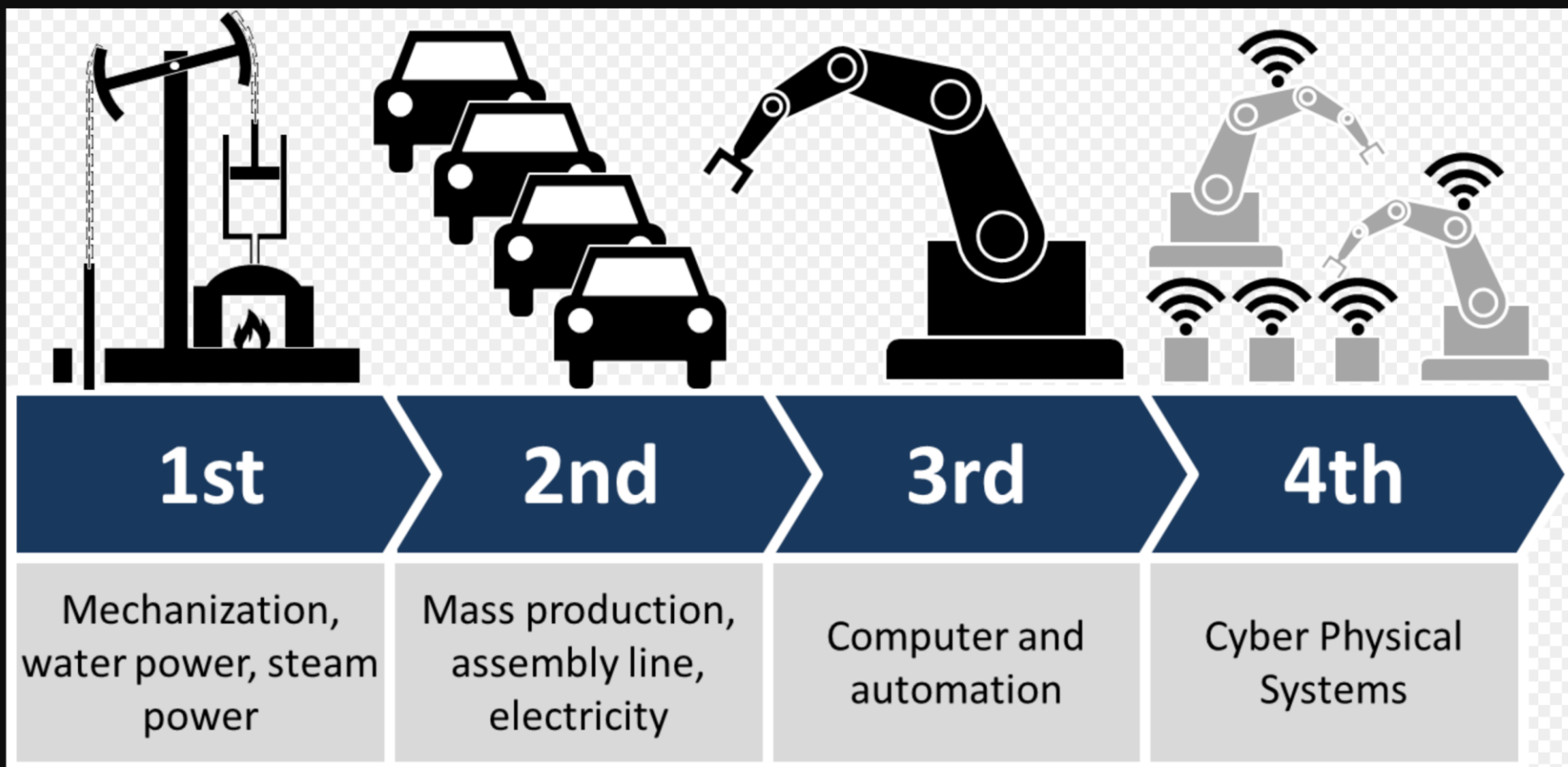
LESZEK ROPELEWSKI – RD 51 MPGD

A brilliant opportunity for us to present technologies and to get in contact with new partners



MERCK





Industry 4.0 is the current trend of [automation](#) and data exchange in manufacturing technologies. It includes [cyber-physical systems](#), the [Internet of things](#) and [cloud computing](#).^{[1][2][3][4]}

Industry 4.0 creates what has been called a "smart factory".

Industry 4.0 @ HEP Tech



HEP Tech and the Technical University of Košice present

Academia Meets Industry on the Mutual Impact of Industry 4.0 and High-Energy Physics

15-16 March 2018, Grandhotel** Stary Smokovec, High Tatras, Slovakia**

Main topics:

- **Cyber-physical systems (sensors, control systems)**
- **Modelling and simulation**
- **Integration through protocols and interfaces**
- **Data concentration in databases - Big data, application of data in diagnostics and quality control**

Online registration - through <http://heptech.web.cern.ch/>

B2B registration: <http://industry40heptech-2018.b2match.io/>



Podpora podnikania na slovensku





78 contributors

44% from Industry!

First event of its kind

**→ We look forward to your feedback
and expectations**

**THANK YOU VERY MUCH FOR YOUR
ATTENTION!**