Program

9h00 Welcome Message
Marc Gruber
Vice President for Innovation
VPI EPFL

9h05 Keynotes from Academia
Innovation and Tech Transfer at the School of Engineering and the School of Life Sciences
Holger Frauenrath
Associate Dean for Innovation, STI
Bart Deplancke
Associate Dean for Innovation, SV

9h25 Academic pitch session 1
Engineering for Life Sciences and Health
Bart Deplancke
A microfluidic multiprocessor for high-throughput epigenomic profiling and diagnostic testing
Francesco Petrini
A prosthesis that feels
Matteo dal Peraro
Aeropores: engineering molecular sensing in pore-forming toxins
Sebastian Maerkli
The future of biomolecular engineering
Hatice Altug
Next-Generation Biochemical Sensors for Diagnostics and Safety
Diego Ghezzi
Wireless prosthetic implant

Robotics and Manufacturing
Auke Ijspeert
Articulated robots for assistance and environmental monitoring
Vivek Subramanian
Materials, tools, and processes for advanced micro-manufacturing
Yves Belloard
Direct-write femtosecond laser processes for functional micro-devices
John Kolinski
Fast imaging at interfaces: imaging rapid dynamics with any camera
Jamie Paik
Soft robotics for intuitive and invisible interactions
Guillermo Villanueva
Towards single-cell physical phenotyping
10h30 Coffee break and networking

11h15 Academic pitch session 2

Data Enabled Engineering

Jean-Philippe Thiran: Image analysis, and medical imaging
Volkan Cevher: Designing intelligent hardware via machine learning
Denis Gillet: Connected and Autonomous Vehicles at the Crossroad
Dimitri Van de Ville: Shaping human brain activity using neurofeedback and functional magnetic resonance imaging
Andreas Burg: Integrated Circuits After the Happy-Scaling Era

Materials and Processes

Fabien Sorin: The Next Generation of Smart Textiles
Selman Sakar: Soft robotic solutions for hard biomedical problems
Esther Amstad: Capsules: Their use as smart delivery vehicles and beyond
Pedro Reis: X-ray tomography to untangle the mechanics of flexible structures: case study on knotted filament
Yves Leterrier: bioinspired functional surfaces

12h20 Internships in Industry

Sebastian Gautsch: Mandatory Internships for master students
Lucie Soulard: EPFL Innovators PhD projects with industry
Marina Aymara Gonzalez Lazo: Design Challenge with Industry Partners
Industry Pitches

13h45  EPFL  TTO  PV-lab
13h50  innovaud  IRsweer
13h55  FACTOS  logitech
14h00  BUHL  Student testimony on master thesis
14h05  sina  14h50
14h10  RIGITEC  14h55
14h15  DynaBlue EPFL Startup  :: csem
14h20  LYO-X  maxon motor driven by precision
14h25  EPLOOP  15h00

Teaser Talk

15h15 Coffee break and exhibition

16h00  SWISSMEM  16h50  VPI PME Unit
16h05  mps MICROSYSTEM  16h55  LEKO
16h10  AELER  17h00  Melexis
16h15  Fischer Connectors  17h05  LakeDiamond
16h20  SWISS+PHOTONICS  17h10  Richem
16h25  Student testimony on master thesis
16h30  ADVITA BURL  17h15  FAULHABER
16h35  NOVELIS  17h20  droople
16h40  posalux  17h25  Closing remarks