

An aerial photograph of the EPFL campus in Lausanne, Switzerland. The image shows a dense cluster of modern buildings with blue and grey facades, interspersed with green lawns, trees, and pedestrian paths. A large, curved building with a blue roof is prominent in the center. The campus is bordered by a highway at the bottom.

EPFL



PAUL SCHERRER INSTITUT
PSI

ACN 2020

Welcome to EPFL

Mike Seidel

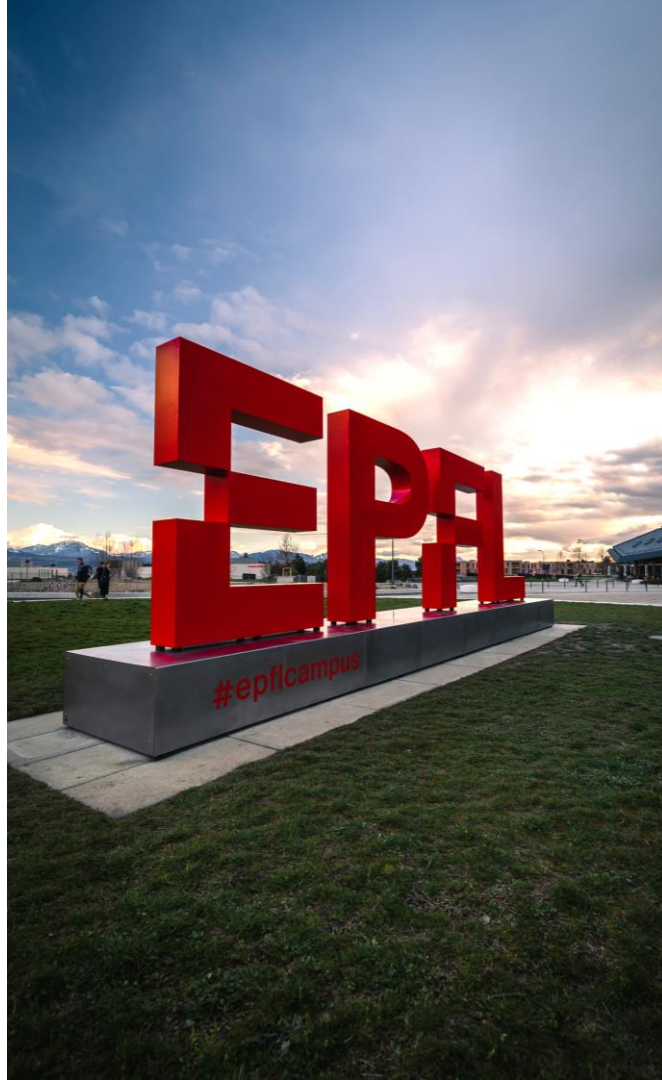
EPFL

Laboratory for Particle
Accelerator Physics, and

PSI

Large Research Facilities

March 2020

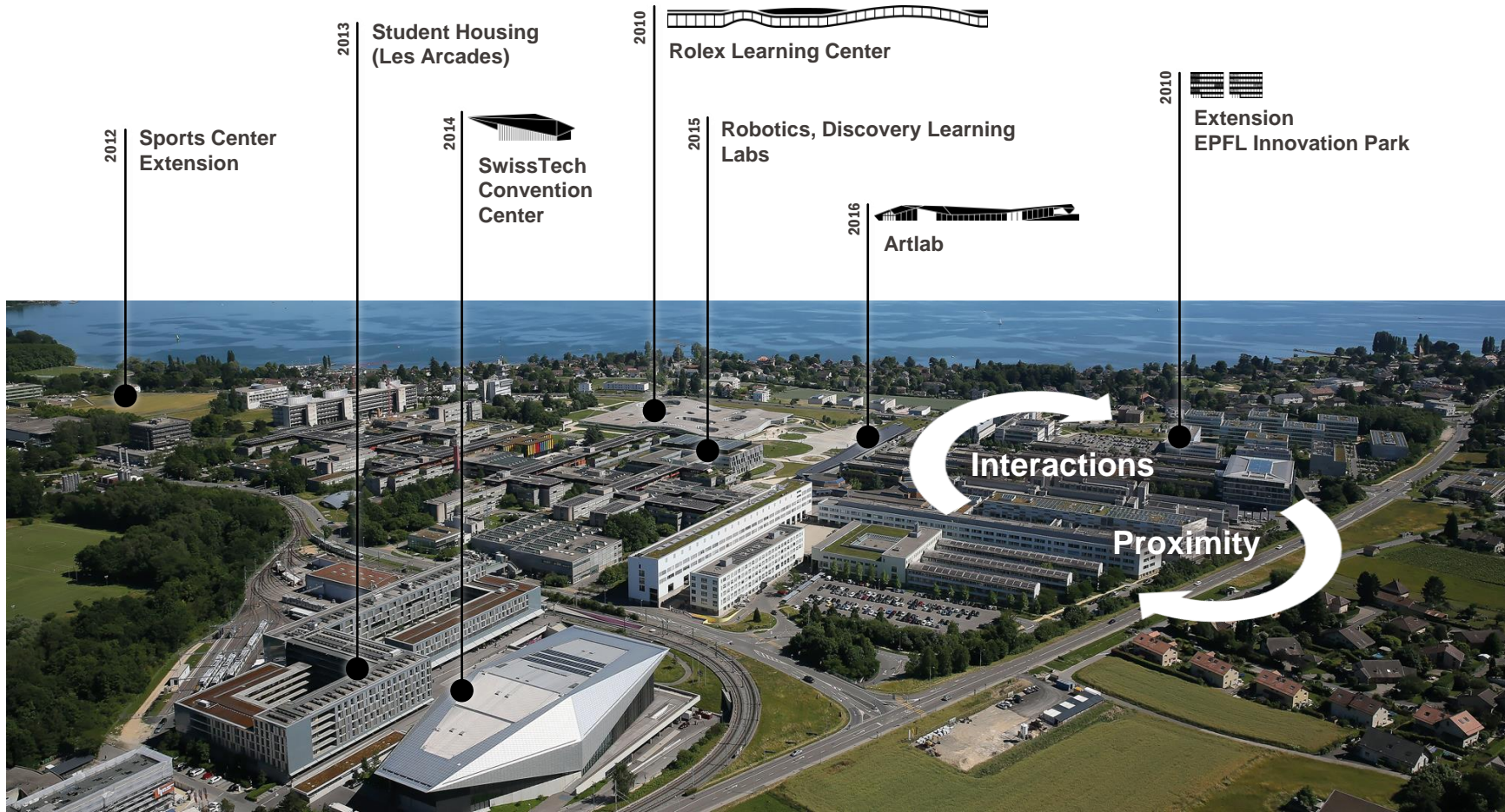


Campus

- 11,449 students, of whom 2,199 PhD students
- 344 faculty
- 6,134 staff (incl. PhD)

Structure

- 5 Schools (13 study prog. leading to an MSc)
- 2 Colleges
- 20 Institutes
- 44 research centers
- 371 laboratories













Education

QS World University Rankings 2019 in computer science & information systems



Source: www.topuniversities.com

Computer Science & Information Systems			
1		Massachusetts Institute of Technology (MIT)	More United States
2		Stanford University	More United States
3		Carnegie Mellon University	More United States
4		University of California, Berkeley (UCB)	More United States
5		University of Cambridge	More United Kingdom
6		University of Oxford	More United Kingdom
7		Harvard University	More United States
8		EPFL - Ecole Polytechnique Federale de Lausanne	More Switzerland
9		ETH Zurich - Swiss Federal Institute of Technology	More Switzerland
10		National University of Singapore (NUS)	More Singapore

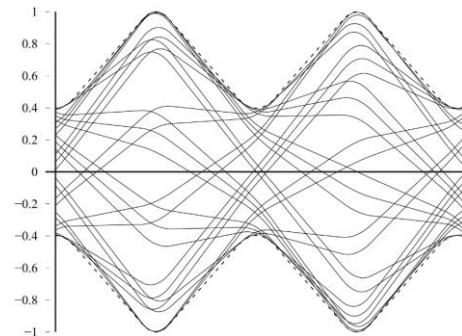
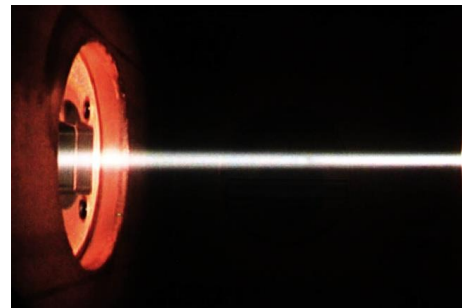
Laboratory Particle Accelerator Physics

Mike Seidel, EPFL & PSI
Tatiana Pieloni, EPFL

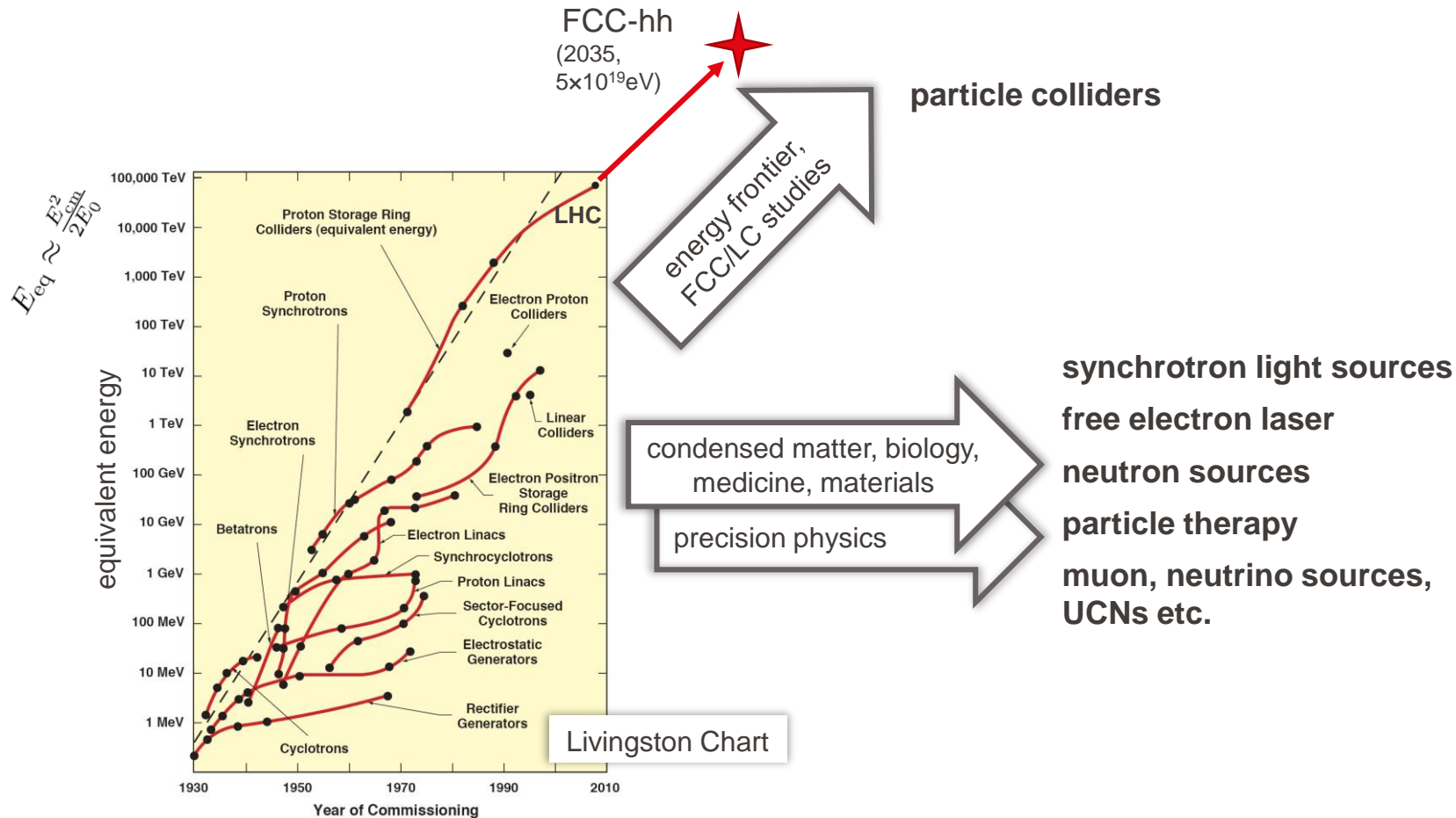
LPAP offers an

- **introductory course on accelerator physics** and
- **forefront research projects** through the connection with the **PSI and CERN large scale facilities**

lpap.epfl.ch



Branches of Accelerator Development



LPAP - Bridging CERN, PSI and EPFL in Switzerland

CERN

- Large Hadron Collider + upgrade
- FCC studies (hh, ee, eh)
- CLIC linear collider study
- various accelerator technology R&D



PSI

- Synchrotron Light Source
- Free Electron Laser
- High Intensity Proton Accelerator
- Proton Therapy
- various diagnostic methods at RIs

EPFL: multidisciplinary research

- Swiss Plasma Center
- advanced manufacturing
- computer science
- energy management



**Have an
interesting
workshop!**

**Mike Seidel
PSI & EPFL**