



Closing remarks

Hermann Schmickler





Some background info

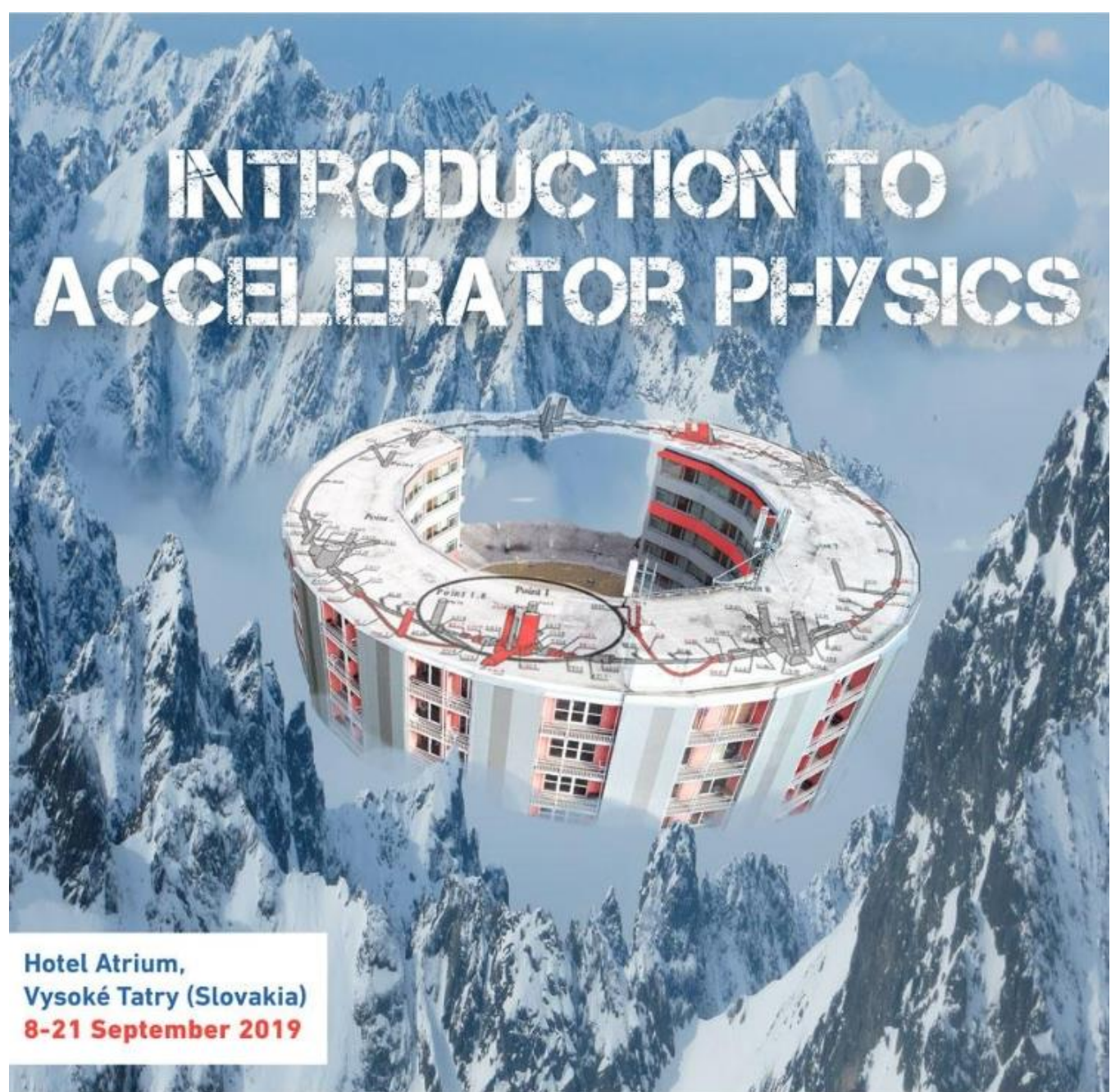
- Last course 2 years ago (Egham, GB)
- Next course in 2021...maybe a bit later?
- Visit and choice of hotel in Spring 2018
- Program committee meeting at CERN
 - decisions: 12 days, 50% lectures, 50% hands-on
 - 2h discussion session, 2 seminars
 - list of speakers and subjects
 - PROCEEDINGS together with upcoming introductory course: **Proceedings will be on Beam dynamics only!!**
- 12 iterations of program
- About 1500 kg of material prepared and tested at RHUL, DESY, GSI and CERN
- Total of 48 students and 28 lecturers/tutors/CAS team

Feedback Discussion I

- Comments to the program
- Balance of topics
- Balance between accelerator types
- Hands-ON Courses

- Level of the lectures

And then:
September 2019



And then:

October 2019: CAS@ESI : 15 “slots” for non-CERN students



Last event in 2019:

JAS in Dubna (RU)

...in

October/November !!!

Joint US-CERN-Japan-Russia International Accelerator School Ion Colliders

This course will mainly be of interest to staff and students in accelerator laboratories, university departments and companies manufacturing accelerator equipment who wish to learn more about accelerator science and technology.

The program covers the full spectrum of subjects related to the colliders. Beam dynamics, ion sources, RF-systems, vacuum technologies and simulation tools – this is only a partial list of lectures. Participants will have the opportunity to work on realistic case studies as an integral part of the program.



29 October
to
6 November
2019



International
Conference
Centre



Dubna
Russia

Principal:
Igor Meshkov (JINR)

International Organizing Committee:

William Barletta (USPAS)
John Jowett (CERN)
Eugeny Levichev (BINP)
Steve Lund (USPAS)
Hermann Schmickler (CERN)
Boris Sharkov (JINR)
Seiya Yamaguchi (KEK)

Local Organizing Committee:

Olga Belova (JINR)
Olha Kazinova (JINR)
Alexander Philippov (JINR)
Dmitry Shwartz (BINP)



The year 2020 and beyond

Will start with **RF course** in Lithuania in the city of Kaunas

22.3. – 4.4. no poster yet

24 hours of hands-ON courses similar to here plus calculations in the afternoons, in the mornings lectures

Next: **Mechanical Engineering** in Holland (close to Eindhoven)

Next: Introductory Course...maybe in India?

And then: Sequence still to be defined:

- Beam dynamics of circular light sources and damping rings
- Data Acquisition and Data Analysis Tools
- Digital Signal Processing and Accelerator Controls

Interleaved with Introductory/Advanced....

Project “CAS videos”

Presently two major attempts to produce MOOC’s in the field of accelerator physics:

- Nordic Accelerator School
- ARIES

CAS proposes to film its lectures and to put them onto our website including an electronic index baptized “CASopedia”

- first attempt: introductory in Budapest; no index
- next: most likely RF course in Kaunas, provided we get the necessary resources

Our website: <http://cas.web.cern.ch/>

Author: Anastasiya

Our major depository of information...large effort to keep the site up to date



Advanced Accelerator Physics, 9-21 June 2019, Slangerup, Denmark

LEAVE FEEDBACK



RELATED LINKS

[Indico page](#)

[Metalskolen](#)

DOWNLOADABLE

[Programme \(with links to lectures\)](#)

[Poster](#)

[Practical info](#)

CONTACTS

[Main](#) [Overview](#) [Lectures](#) [1 minute slides](#)



Our CAS video on the website



Feedback

VACUUM FOR PARTICLE ACCELERATORS

6-16 June, 2017

Glumslöv, Sweden

YOUR IMPRESSIONS OF THE PROGRAMME

Please mark each lecture with a number 1 to 5 in each of the three columns labelled "Level, Content and Presentation". The meaning of the numbers is as shown below. Please return this sheet to Barbara Strasser or Roger Bailey as soon as possible when completed. Your answers are confidential.

LEVEL	CONTENT	PRESENTATION
1 – Much too low	1 – Completely uninteresting	1 – Very poor
2 – Low	2 – Uninteresting	2 – Poor
3 – Just right	3 – Of some interest	3 – Fair
4 – Too high	4 – Interesting	4 – Good
5 – Much too high	5 – Very interesting	5 – Very good

TITLE	LEVEL	CONTENT	PRESENTATION
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- Please help us

- Very important

- For
- For

With the new online version much more feedback than in the past
Thank You!

- About

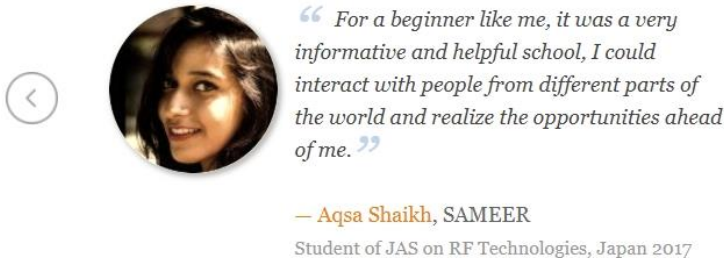
- The lectures
- The tutorials
- The place
- Anything else

Introduction to Cryogenics			
Cryopumping			
Industrial Vacuum Applications			
Beam Induced Desorption			
Beam-Gas Interaction			
Surface Characterisation			
Interactions between Beams and Vacuum System Walls			
Surface Cleaning & Finishing			
Thin-Film Coating			
Controlling Particles/Dust in Vacuum Systems			
Beam Induced Radioactivity & Radiation Hardness			
Radiation Damage and its Consequence			
Control & Diagnostic			
Vacuum Design Aspects			
Manufacturing & Assembly for Vacuum Technology			
The Real Life of Operation			
Challenges for Vacuum Technology of Future Accelerators			

“Testimonials” on the CAS website



What our students say about us



- All it needs:
 - a photo
 - name + affiliation + CAS course
 - “a sentence”

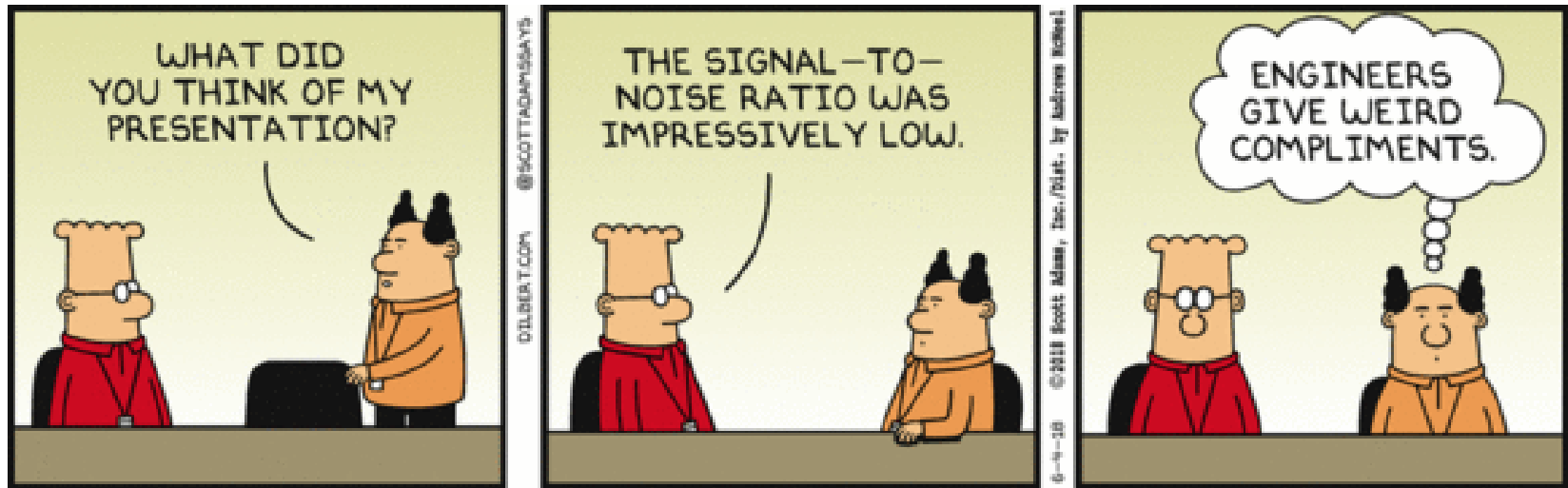
What we would like to get from you:

- Some testimonials
- Feedback (closes for this course on Tuesday morning)
- Your posters

Social life during course:

- Next to the course teaching the most important aspect of the school
“ electronic training will never replace CAS courses”
- What happened:
 - people socialising (and even working) up to late in the evenings
 - lots of interactions students <-> teachers
 - cinema evening
 - excursion
 - evenings in the cellar dungeon

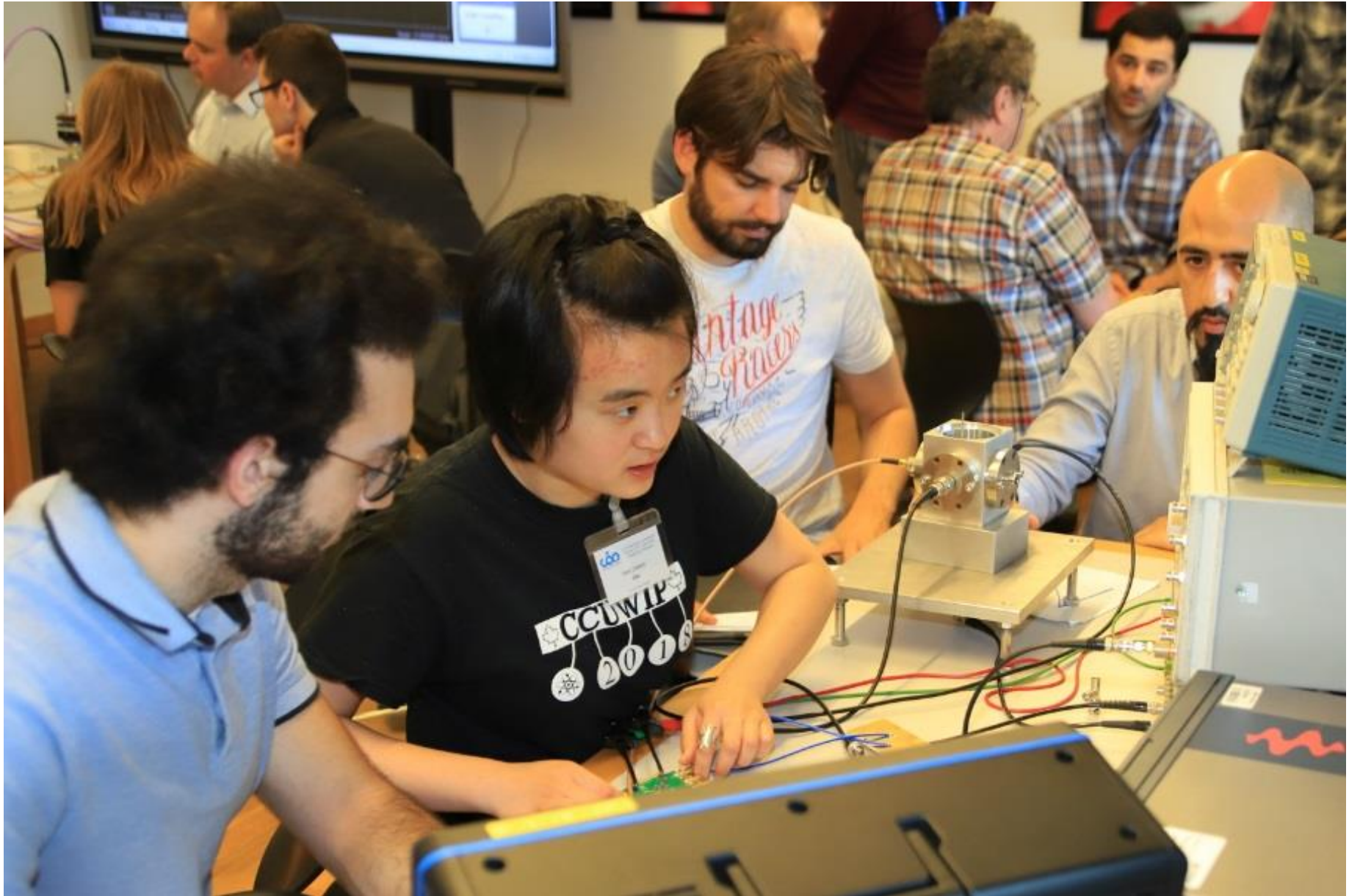
Last time we talk about SNR



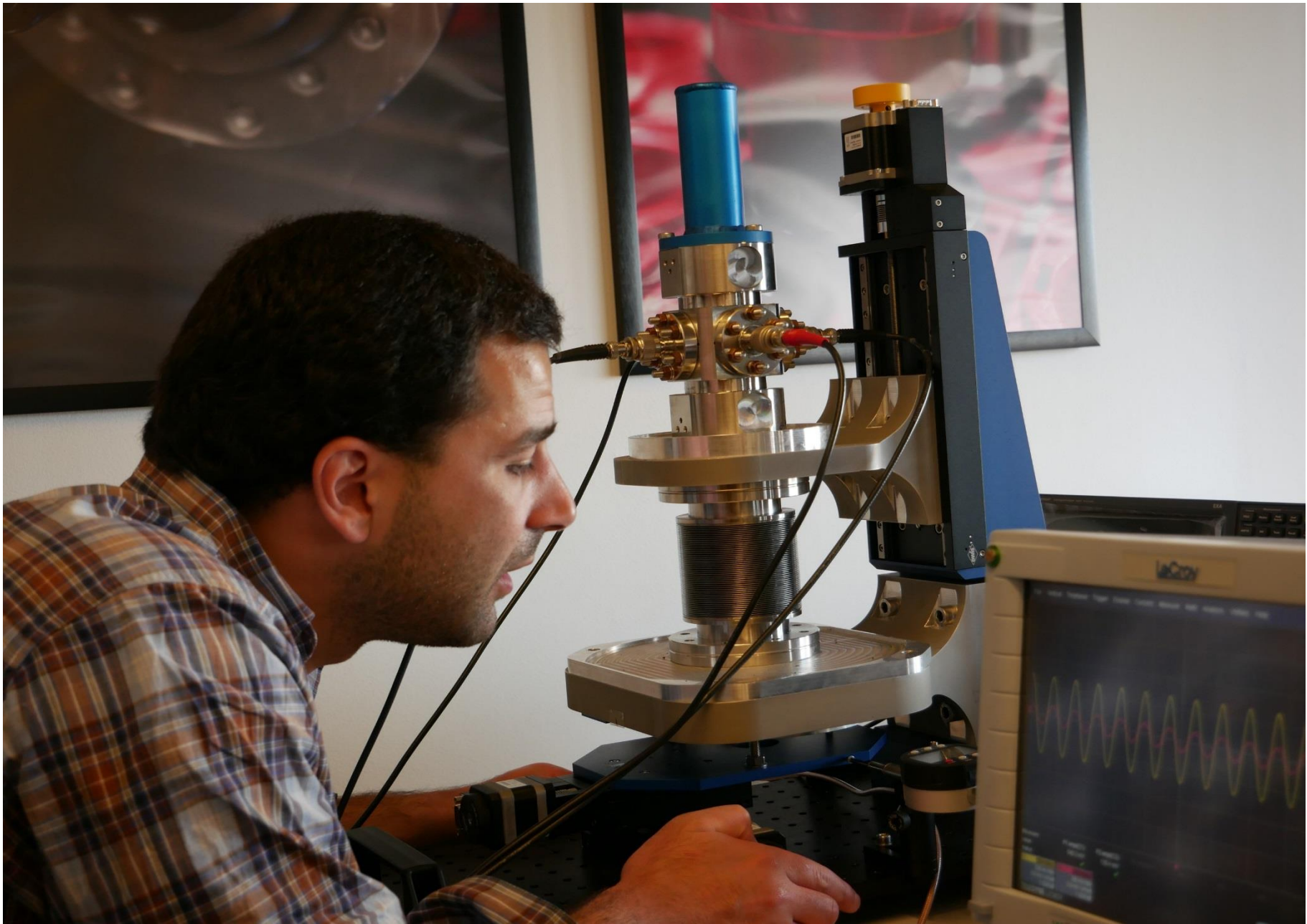




















Last not least:

This course would not have happened without:

- lecturers: they do all the work for “love”
- the Hands-ON courses teachers:
 - Christine, Piotr, Heiko, Manfred, Frank, Kay, Lorraine, Stephen, Thibaut, Stephen, Rhodri, Marek
- The “souls” of the event:
 - Delphine Rivoiron
 - Maria Fillipova
 - Anastasiya Safronava
- Borge Svane Nielson



• YOU