

PSI Center for Accelerator Science
and Engineering

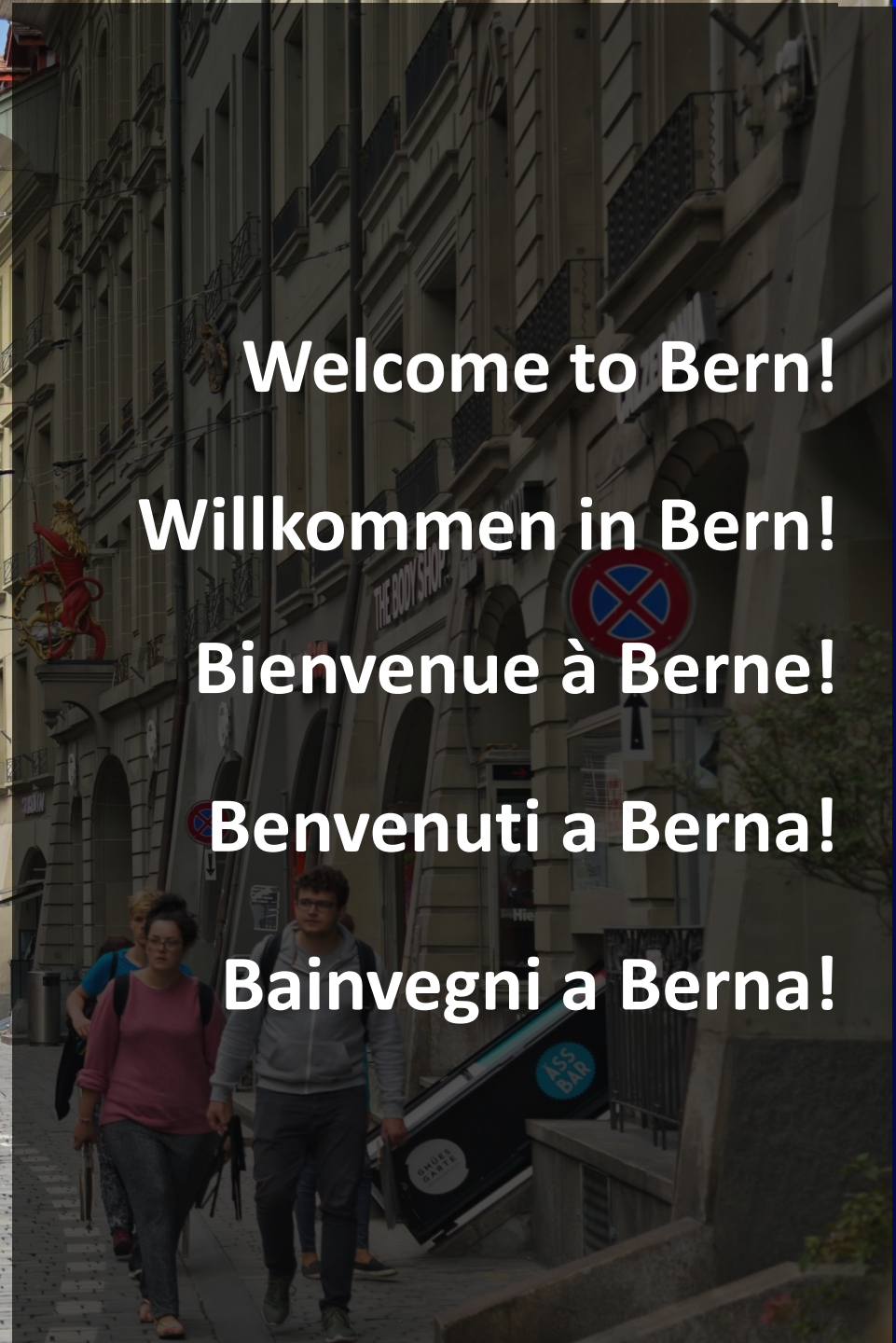
Overview

**Workshop on Longitudinal Electron Beam Dynamics for
coherent light sources (LEDS)**

Thomas Geoffrey Lucas

Workshop Chair

LEDS2024, September 2024



Welcome to Bern!

Willkommen in Bern!

Bienvenue à Berne!

Benvenuti a Berna!

Bainvegni a Berna!

Welcome to Bern!

- Few notable places to visit:
 - Bundeshaus (Parliament)
 - Einstein Café and House
 - Einstein Museum
 - Zytglogge (Clock Tower)
 - Walk the historic streets and see the statues.

We're around 600m this way

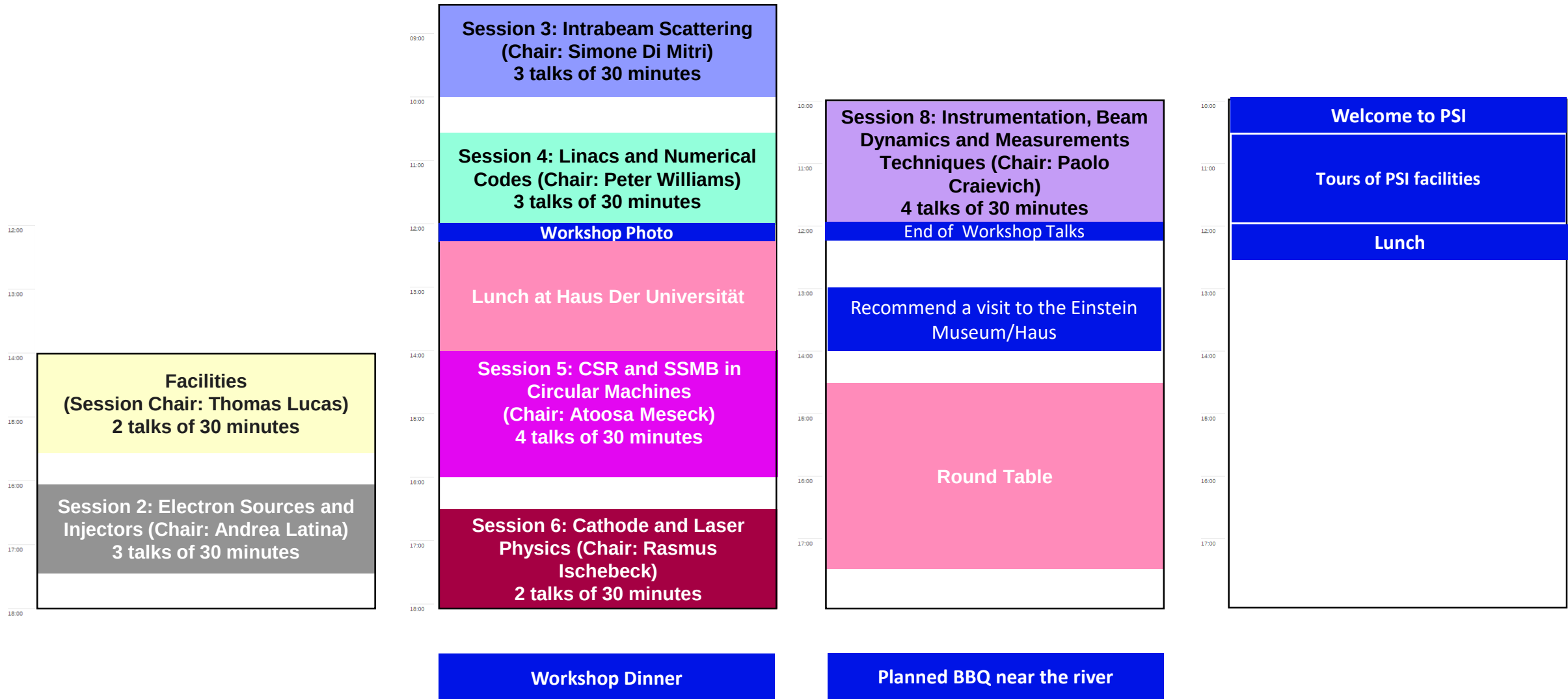


Welcome to LEDS'24!



- Overview of the workshop
 1. **Talks:** Two half-days and 1 full-day of talks (afternoon Tuesday to Thursday morning) with a total of 22 talks.
 2. **Round Table:** A half day round table discussion.
 3. **Tour:** A half day tour of Paul Scherrer Institut.

Workshop outline



- This round table has the aim of producing the design of a test facility to further understand high brightness electron sources. The test facility will be interested in:
 - Electron sources
 - Cathode development
 - Laser shaping concepts
 - New measurement techniques.
 - Investigation of IBS and comparison to numerical models
- If you'd like to present a question, have an idea or some slides about ongoing work to discuss please feel free to approach the workshop organisers.
- Those that may be interested in participating in a grant proposal for such a facility may also contact the organisers.

- Meet at PSI West Entrance at 9.50am (leaving on the Bern train at Friday 8:33 am)
- PSI overview talk 10:00 to 10:30
- Tour of Facilities 10:30 to 12:00
- Lunch 12:00 onwards
- Departure.

Thursday Recommendation

- On Thursday, I've given a little extra time between our last talks and the round table to see the city.
- I recommend visiting the Einstein Museum.
- Nothing officially organised but I will meet anyone that would like to join at the ticket counter at 1pm for a 60 minute tour of the museum.



Sponsorship of the Workshop



A warm thank you to our workshop sponsors.

IFAST (WP 7) is sponsoring the workshop's coffee and lunch.

LEAPS is sponsoring the dinner on Wednesday.

Workshop Lunch and Coffee Sponsor



Workshop Dinner Sponsor



Thank you for joining us here and we
wish you a fruitful workshop!

Any Questions?