

## **Programm der Sitzung**

**5.-10. Mai 2019**



# **Laser-Plasma Accelerator Workshop 2019**

## ***Plenary session***

MedILS

Meštrovićevo šetalište 45 HR – 21000 Split Republic of Croatia

# Mo., 6. Mai

09:30

## Plenary session

**Sitzung** | **Ort:** MedILS, Main Hall | **Vorsitzender:** Stefan Karsch

09:30–10:00 Uhr

### High-Performance Modeling of Laser-Plasma Acceleration Physics

#### Sprecher

Jean-Luc Vay

10:30

10:00–10:30 Uhr

### Recent developments of the Betatron source at LOA

#### Sprecher

Kim TA PHUOC

11:00

## Plenary session

**Sitzung** | **Ort:** MedILS, Main Hall

11:00–11:30 Uhr

### External injection acceleration with ~100% capture efficiency

#### Sprecher

Prof. Jianfei Hua

11:30–12:00 Uhr

### Hybrid acceleration: Studying PWFAs with LWFAs

#### Sprecher

Max F. Gilljohann

12:30

12:00–12:30 Uhr

### Proton Bunch Self-Modulation and Electron Acceleration in AWAKE

#### Sprecher

Patric Muggli

# Di., 7. Mai

09:00

## Plenary session: Ions acceleration

**Sitzung** | **Ort:** MedILS, Main Hall | **Vorsitzender:** Karl Zeil

09:00–09:30 Uhr

### Laser-driven ion acceleration: High-energy protons from ultrathin foils

**Sprecher**

Paul McKenna

09:30–10:00 Uhr

### Megagauss magnetic fields in intense laser-solid interactions

**Sprecher**

Gourab Chatterjee

10:00–10:30 Uhr

### Towards accelerator-quality beams of high energy protons guided by laser driven helical coils

**Sprecher**

Hamad Ahmed

10:30

11:00

## Plenary session: Novel Concepts

**Sitzung** | **Ort:** MedILS, Main Hall | **Vorsitzender:** Karl Krushelnick

11:00–11:30 Uhr

### Particle acceleration using laser-controlled relativistic plasma-mirrors

**Sprecher**

Philippe MARTIN

11:30–12:00 Uhr

### Relativistic nanophotonics

**Sprecher**

Laszlo Veisz

12:00–12:30 Uhr

### Flying Focus and its application to Laser-Plasma Accelerators

**Sprecher**

Jessica Shaw

12:30

# Mi., 8. Mai

09:00

## Plenary session

**Sitzung** | **Ort:** MedILS, Main Hall | **Vorsitzender:** Wei Lu

09:00–09:30 Uhr

### New approaches to high energy physics with lasers for radiation-nuclear applications

**Sprecher**

Valery Bychenkov

09:30–10:00 Uhr

### Recent studies on plasma channel based new laser wakefield staging scheme and radiation source at SJTU

**Sprecher**

Prof. Min Chen

10:00–10:30 Uhr

### X-ray radiation sources based on laser-wakefield accelerators driven by structured pulses

**Sprecher**

Joana Luís Martins

10:30

11:00

## Plenary session: X-ray sources

**Sitzung** | **Ort:** MedILS, Main Hall | **Vorsitzender:** Andreas Döpp

11:00–11:30 Uhr

### X-rays from Laser Wakefield Accelerators

**Sprecher**

Alec Thomas

11:30–12:00 Uhr

### Inverse Compton X/y Source Based on Laser-Wake Field Accelerator

**Sprecher**

Dr. Wenchao Yan

12:00–12:30 Uhr

### Mastering the spectral properties of the COXINEL undulator radiation driven by a laser plasma accelerator

**Sprecher**

Eléonore Roussel

12:30

18:30

## Plenary session

**Sitzung** | **Ort:** MedILS, Main Hall

18:30–19:30 Uhr

### Plasma acceleration - what were we thinking in those early days and where are we headed?

**Sprecher**

Chandrashekhhar Joshi

19:30

## Do., 9. Mai

09:00

### Plenary session

**Sitzung** | **Ort:** MedILS, Main Hall | **Vorsitzender:** Ulrich Schramm

09:00–09:30 Uhr

#### **Diagnostics for plasma-based electron accelerators**

**Sprecher**

Mike Downer

09:30–10:00 Uhr

#### **Controlling the dynamics of a laser-driven plasma wakefield accelerator.**

**Sprecher**

Matthew Streeter

10:00–10:30 Uhr

#### **Laser-driven proton beam profiles in ultra-high fields**

**Sprecher**

Lieselotte Obst-Huebl

10:30

## Fr., 10. Mai

09:00

10:30

11:00

12:30

### Plenary session: Working Group Summaries and Dawson Talks I

**Sitzung** | **Ort:** MedILS, Main Hall | **Vorsitzender:** Victor Malka

### Plenary session

**Sitzung** | **Ort:** MedILS, Main Hall