

## EuroNNAc Special Topics Workshop

### Hotel Hermitage, La Biodola Bay, Isola d'Elba, Italy from 18th to 24th September 2022.

	Sept. Monday 19	Sept. Tuesday 20	Sept. Wednesday 21	Sept. Thursday 22	Sept. Friday 23	Sept. Saturday 24
<b>Morning I</b> 9:00 – 10:30	<b>S-IN</b> (RA&MF) News from field - 1 short talk per ST	<b>S-ST1-b</b> (EG&PM) Beam driven Plasma Accelerators with focus on proton-driven	<b>S-ST3-b</b> (LG&SK) Laser Technology and LWFA Results	<b>S-ST4-b</b> (EC&RP) Distributed Plasma Accelerator Landscape in Europe and Technical Progress towards Applications	<b>S-ST5</b> (PM&CG&MH&MK &WL)  International Landscape: Facilities, projects, initiatives	<b>NPACT / EuroNNAc Yearly Meeting</b>  (RA&MF)
<b>Coffee Break (20')</b>						
<b>Morning II</b> 10:50 – 12:30	<b>S-IN</b> (RA&MF) News from field - 1 short talk per ST	<b>S-ST2</b> (MT&JV) Simulation tools and roadmap,	<b>S-ST3-b</b> (LG&SK) Laser Technology and LWFA Results	<b>S-ST4-b</b> (EC&RP)  <b>Special sub-session</b> (JO&aI) Particle physics plasma test facility	<b>S-ST5</b> (PM&CG&MH&MK &WL)  International Landscape: Facilities, projects, initiatives	<b>NPACT / EuroNNAc Yearly Meeting</b>  (RA&MF)
<b>Lunch Break (3h30')</b>						
<b>Afternoon I</b> 16:00 – 17:30	<b>S-ST1-a</b> (EG&PM) Beam driven Plasma Accelerators with focus on proton-driven	<b>S-ST3-a</b> (LG&SK) Laser Technology and LWFA Results	<b>S-ST4-a</b> (EC&RP) Distributed Plasma Acc. Landscape in Europe and Technical Progress towards Appl.	<b>S-SP</b> (BH&RW) Student Talks - Prize Award Session	<b>S-ST6</b> (RI&aI) Structure-based accelerators and advanced radiation generation schemes	
<b>Coffee Break (20')</b>						
<b>Afternoon II</b> 17:50 – 19:15	<b>S-ST1-a:</b> (EG&PM) Beam driven Plasma Accelerators with focus on proton-driven	<b>S-ST3-a</b> (LG&SK) Laser Technology and LWFA Results	<b>Special sub-session</b> (AI&aI) Talks and discussion on plasma-based FEL exp.	<b>S-SP:</b> (BH&RW) Student Talks - Prize Award Session	<b>S-SU</b> (RA&MF)  Summary Report from discussions - input to IFAST/NPACT MS21	
<b>Posters</b> 19:15 - 20:15	Participants and student grantees	Participants and student grantees	Participants and student grantees			
<b>Dinner</b> 20:30				<b>BANQUET</b>		

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Prepare I.FAST/NPACT milestone: "MS21: Report on the novel accelerator landscape in Europe, facilities, projects and capabilities at the beginning of the 2020's. Lead – DESY, M24, Publication, website (task 6.1)"

19 SEP - Monday AM

**S-IN - Introduction**

Organizers: R. Assmann (DESY), M. Ferrario (INFN)  
News from field (Highlights, European Expert Panel, Snowmass)  
Introduce special topics - 1 short talk per ST

19 SEP - Monday PM

**S-ST1-a: Beam-driven Plasma Accelerators with focus on proton-driven (AWAKE, ...)**

Organizers: E. Gschwendtner (CERN), P. Muggli (MPP)

*Evening: General poster session (from participants and student grantees)*

20 SEP - Tuesday AM (1.5h)

**S-ST1-b: Beam-driven Plasma Accelerators with focus on proton-driven (AWAKE, ...)**

Organizers: E. Gschwendtner (CERN), P. Muggli (MPP)

20 SEP - Tuesday AM (1.5h)

**S-ST2: Simulation tools and roadmap, M. Thévenet (DESY), J. Vieira (IST) et al**

20 SEP - Tuesday PM

**S-ST3-a: Laser Technology and LWFA Results (e-, p+, ion)**

Organizers: L. Gizzi (CNR), S. Karsch (LMU)

*Evening: General poster session (from participants and student grantees)*

21 SEP - Wednesday AM

**S-ST3-b: Laser Technology and LWFA Results (e-, p+, ion)**

Organizers: L. Gizzi (CNR), , S. Karsch (MPQ)

21 SEP - Wednesday PM

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**S-ST4-a: Distributed Plasma Accelerator Landscape in Europe and Technical Progress towards Applications (EuPRAXIA ESFRI and others)**

Organizers: R. Pompili (LNF-INFN), E. Chiadroni (UniRoma1)

1.5 h Talks and discussions

1.5 h **Special sub-session: Talks and discussion on plasma-based FEL experiments**

Organizers; Arie Irman, HZDR et al

- Shanghai 20min
- Frascati 20min
- Dresden 20min
- Discussion 30min

*Evening: General poster session (from participants and student grantees)*

22 SEP - Thursday AM

**S-ST4-b: Distributed Plasma Accelerator Landscape in Europe and Technical Progress towards Applications (EuPRAXIA ESFRI and others)**

Organizers: R. Pompili (LNF-INFN), E. Chiadroni (UniRoma1)

2h Talks and discussions

1h **Special sub-session: Particle physics plasma test facility (multi-stage, 10's of GeV)**

Organizers: J. Osterhoff (DESY) et al

- Intro and talk 30min
- Discussion 30min

22 SEP - Thursday PM

**S-SP: Student Talks - Prize Award Session**

Organizers: B. Holzer (CERN) / R. Walczak (Oxford)

*Evening: Banquet & Social Entertainment*

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23 SEP - Friday AM

**S-ST5: International Landscape: Facilities, projects, initiatives**

Organizers: P. Musumeci (UCLA), C. Geddes (LBNL), M. Hogan (SLAC), M. Kando (QST), W. Lu (Tsinghua)

23 SEP - Friday PM 1.5h

**S-ST6: Structure-based accelerators (e.g. ACHIP) and advanced radiation generation schemes**

Organizer: R. Ischebeck, PSI et al

23 SEP - Friday PM 1.5h

**S-SU - Summary**

Organizers: R. Assmann (DESY), M. Ferrario (INFN)

Report from discussions - input to IFAST/NPACT MS21

24 SEP - Saturday

**NPACT / EuroNNAc Yearly Meeting**

Organizers: R. Assmann (DESY) / M. Ferrario (INFN)