EuPRAXIA-DN School on Plasma Accelerators

22nd – 26th April, Rome, Italy

Meeting Venue

Orto Botanico di Roma
Aranciera

Entrance to the Garden
Largo Cristina di Svezia 24
00165 Roma RM

Overview of Activities

Monday 22nd April, Orto Botanico di Roma
Arrival and Registration **9:00**
School Start **9:15**
Seminar by Prof Victor Malka from **17:00**
Welcome Reception from **18:00**

Tuesday 23rd April, Orto Botanico di Roma
School Start **9:15**
Seminar by Prof Anne L'Huillier **17:00**
Aperitif **18:00-19:30**

Wednesday 24th April, INFN-LNF
Coach pick up **7:45**
School Start **9:30**
Lab Visit from **15:30**

Thursday 25th April, Orto Botanico di Roma
School Start **9:15**
Seminar by Dr Edda Gschwendtner **17:00**
Formal Dinner at Hotel Forum from **20:30**

Friday 26th April, Orto Botanico di Roma
Supervisory Board Meeting **9:00 – 11:00**
School Start **10:00**
End of School **13:00**

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How to get there

From the North (P. le Clodio, piazza Cavour) or the South (P. le Ostiense, v.le Aventino):

reach ponte Sisto with the bus lines 23 or 280, continue by foot along via di Ponte Sisto, via di S. Dorotea, via di Porta Settimiana, via Corsini.

From the centre (p.zza Torre Argentina) or the West (Monteverde, Trastevere station):

reach p.zza G. Belli with tram 8, then continue by foot along via della Lungaretta, via della Scala, via di Porta Settimiana, via Corsini.

Parking:

There is paid parking for cars along Lungotevere della Farnesina and there are the paid-for underground car parks of the Janiculum and of via Giulia.

Entrance to the Botanical Gardens (image: Google maps)

Registration will be at the entrance to the Botanical Gardens on Monday, 22nd April.

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INFN

SAPIENZA UNIVERSITÀ DI ROMA

EuPRAXIA Doctoral Network

EuPRAXIA School, INFN, Rome, Italy, 22 – 26 April 2024

Monday	Tuesday	Wednesday (@INFN)	Thursday	Friday	
9:00 – 9:15 Arrival and Registration *Gates open at 9:00*	*Gates open at 9:00*	9:00 – 9:30 Arrival and Registration	*Gates open at 9:00*	*Gates open at 9:00*	9:00 – 11:00 Supervisory Board (SB) Annual Meeting
9:15 – 10:00 Welcome and Logistics *Carsten P Welsch et al., INFN/U Liverpool*	9:15 – 10:15 Technology of Plasma Sources *Angelo Biagioni, INFN*	9:30 – 10:30 Betatron Radiation Emission in Plasma *Alessandro Curcio, INFN-LNF*	9:15 – 10:15 Plasma Diagnostics for Plasma Accelerators *Zulfikar Najmudin, Imperial College London*		
10:00 – 11:00 Introduction to High Power Lasers *Leonida Gizzi, CNR*	10:15 – 11:15 Introduction to Laser Wakefield Acceleration *Gabriele Grittani, ELI ERIC*	10:30 – 11:30 Free Electron Lasers *Enrica Chiadroni, INFN-LNF*	10:15 – 11:15 Extreme Light Infrastructure – a Distributed European Research Infrastructure *Gabriele Grittani, ELI ERIC*	10:00 – 11:00 Micro Accelerators THz *Szabolcs Turnár, U PECS*	
COFFEE BREAK					
11:30 - 12:30 Introduction to Plasma Physics *Pablo San Miguel Claveria, IST*	11:45 - 12:45 Introduction to Particle-driven Acceleration *Livio Verra, INFN*	12:00 – 13:00 Beam Manipulation with a Plasma Accelerator *Riccardo Pompili, INFN-LNF*	11:45 - 12:45 The Role of Computing in the Development of Plasma Accelerators *Jorge Vieira, IST*	11:30 – 12:00 Primer on Low Level RF *Manuel Cargnelutti, I-TECH*	
				12:30 – 13:00 Primer on Integrated Diagnostics *Erich Griesmayer, CIVIDEC*	
12:30 - 13:30 Intro to Linacs *Marco Bellaveglia, INFN*	12:45 - 13:45 Introduction to Laser-driven Heavy Ion Acceleration *Josefine Metzkes-Ng, HZDR*	13:00 – 13:30 EuPRAXIA *Carsten P Welsch, INFN/U Liverpool*	12:45 - 13:45 Plasma Simulation for Optimization *Andreas Doepp, LMU Munich*	12:30 – 13:00 Closing Remarks *Carsten P Welsch, INFN/U Liverpool*	
LUNCH				End of School	
14:30 - 15:30 Beam Physics of High Quality Beams *Massimo Ferrario, INFN*	14:45 – 16:30 Study Session	14:30 – 15:30 History of INFN *Andrea Ghigo, INFN-LNF*	14:45 – 16:30 Poster Session and Industry Display		
15:30 - 16:30 Beam Diagnostics for Plasma Accelerators *Joseph Wolfenden, U Liverpool*		15:30 – 15:40 Introduction of the INFN-LNF			
COFFEE BREAK			COFFEE BREAK		
17:00 - 18:00 Seminar History of plasma accelerators *Victor Malka, Weizmann Institute*	17:00 - 18:00 Seminar Ultra-short Laser Pulse Generation and Application *Anne L'Hullier, U Lund*	INFN-LNF Lab Visit *EuPRAXIA-DN SC meeting in parallel*	17:00 - 18:00 Seminar The AWAKE Experiment at CERN *Edda Gschwendtner, CERN*		
Reception	Aperitif		20:30 Formal Dinner *Roof Garden Restaurant* *Hotel Forum*		

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UK Research and Innovation

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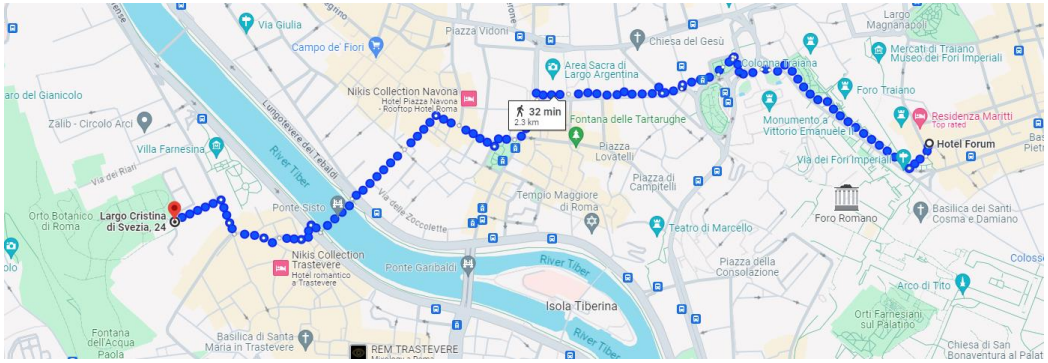
Dinner

Thursday 25th April, from 20:30

Roof Garden Restaurant
Hotel Forum

Via Tor de' Conti 25
00184 Rome

The hotel is in the heart of the Imperial Fora, the famous archaeological part of Rome, approx. 30 min walk from Orto Botanico.



Accommodation

A list of hotels in walking distance to the event venue can be found on the event's Indico Page:

https://agenda.infn.it/event/38913/page/8438-list-of-hotels

Please note the event organizer does not provide any special rates or recommendation for any of the hotels in Rome. The above list is based on proximity to the venue, it is not exhaustive, and it is provided only to facilitate your search of accommodation.

Please be advised that tourists must pay a City Tax when staying Rome. City tax rate varies from €4 to €10 per night according to the rating of the accommodation and must be paid directly to the accommodation at the end of the stay.

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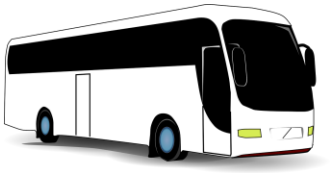
INFN-LNF

On **Wednesday 24th April**, the school will be held at INFN-LNF, followed by a tour of the labs in the afternoon.

Bus transfer for school participants



Rome to INFN-LNF
Pick up: 7:45 at Lungotevere Farnesina, 7
https://maps.app.goo.gl/W7bi2aXwEejMcnEc9

INFN-LNF to Rome
Return after lab tour: 18:00

Entry and exit from the LNF area will only be possible through the **secondary gate** (via Enrico Fermi, 60), near the Tor Vergata train station. The gate will be open from 8:30 am until 6:30 pm.

All arriving participants must wear their conference badge with their name and surname for identification by the Security staff.

WIFI @ INFN-LNF

An eduroam wifi network will be available in all meeting areas. Please, download and enable it on your computer before your arrival if you have not done it yet. And check if well set up.

Participants who don't have an INFN account, will need to register in the INFN identity database before coming to INFN-LNF!

Please follow the procedure on the events indico website to register:
https://agenda.infn.it/event/38913/page/8682-infn-lnf-wifi-internet-access

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We look forward to meeting you in Rome!

Contact in case of Emergency

Andrea	+39 37 56 98 91 70
Carsten	+44 79 73 24 79 82
Minh	+44 75 76 52 82 85

The school will be hosted in partnership with INFN and Sapienza University of Rome with strong support from the University of Liverpool/Cockcroft Institute.

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