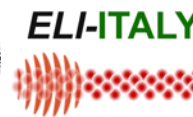


# Advanced Summer School on “Laser-Driven Sources of High Energy Particles and Radiation”

9-16 July 2017, CNR Conference Centre,  
Anacapri, Capri, Italy

Promoted and supported by:



## LECTURERS and TOPICS

Andrew BAYRAMIAN, LLNL, Livermore, CA, US, **Intense Lasers: high average power**  
Carlo BENEDETTI, LBNL, Berkeley, CA, US, **Advanced modelling tools for LWFA**  
Marco BORGHESI, QUB, Belfast, UK, **Ion acceleration: TNSA and beyond**  
Pablo CIRRONE, INFN-LNS, Catania, IT, **Simulation of particles through matter**  
Massimo FERRARIO, INFN-LNF, IT, **Electron beam properties and FEL**  
Dario GIOVE, INFN, Milano, IT, **Ion beam diagnostics**  
Bernhard HIDDING, SCAPA, UK, **Hybrid LWFA-PWFA**  
Malte KALUZA, IOQ, Jena, DE, **Ultrafast Plasma Imaging**  
Masaki KANDO, JAEA, Kyoto, JP, **LWFA electrons: staged acceleration**  
Stefan KARSCH, MPG, Munich, DE, **Advanced all-optical X-ray sources**  
Luca LABATE, CNR, Pisa, IT, **Ultrafast, intense laser pulse diagnostics**  
Bruno LE GARREC, CNRS, Paris, FR, **Intense Lasers: high peak power**  
Andrea MACCHI, CNR and Dip. Fisica, Pisa, IT, **Basics of laser-plasma interaction**  
Paul MASON, CLF-RAL, UK, **High-energy DPSSL development for laser-driven radiation sources**  
Zulfikar NAJMUDIN, IC, London, UK, **LWFA: injection and acceleration**  
Ceferino OBCEMEA, NCI, Bethesda, MD, USA, **Clinical and radiobiological applications of LPA**  
Riccardo TOMMASINI, LLNL, Livermore, CA, US, **Plasma X-ray Imaging and Sources**

Sponsored by:



## KEY MOTIVATION

Merge knowledge from different  
communities:

Laser, Accelerators, Plasmas,  
Radiation sources, Exploitation of  
particles and radiation ...

# Organization and Support



## SCHOOL DIRECTORS

Leonida A. **GIZZI**(CNR, INO), Ralph **ASSMANN** (DESY)

## School Organizers

Petra KOESTER (CNR, INO),  
Francesca USALA (CNR, INO)  
Tom MINNIBERGER(DESY),  
Ruth MUNDT (DESY)

## CNR Headquarters

Valentina DE SANTIS  
Fabrizio PERCIBALLI

## Scientific Secretariat

Petra KOESTER (CNR, INO) (tbc)  
Email: [LPAschool2017@gmail.com](mailto:LPAschool2017@gmail.com)

# Message to Lecturers

- Please, avoid conference style whenever possible
- Promote interaction;
- 45 mins/slot including questions

# Message to Attendees

- Please refrain from excessive use of laptops (and equivalent devices 😊)
- Don't be shy, ask

# Best poster award and *Technology Breakthrough award*



All lectures will be given an evaluation sheet  
to provide feedback on all posters.  
Authors, be available during lunch time for  
presentation of your work at the posters

## Excursion



Confirm your participation (strongly encouraged) by the end of lunch time!

## Social Dinner



Confirm your participation (strongly encouraged) by the end of lunch time!



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	Sunday 9 July	Monday 10 July	Tuesday 11 July	Wednes 12 July	Thursday 13 July	Friday 14 July	Saturday 15 July	Sunday 16 July
Morning Session 9.00 -10.30		BAYRAMIAN	BORGHESI	Excursion	FERRARIO	KARSCH	LABATE	Departures
Coffee Break 10:30 -11:00		MACCHI	MACCHI		LE GARREC	TOMMASINI	KANDO	
Morning Session 11:00-13:00		LABATE	BAYRAMIAN		CIRRONE	NAJMUDIN	TOMMASINI	
Lunch and poster 13:00 -15:00		FERRARIO	LE GARREC		HIDDING	CIRRONE	GIOVE	
Afternoon Session 15:00-17:00		FERRARIO	NAJMUDIN		BORGHESI	HIDDING*	Best posters/Tech. Breakthrough awards ceremony and closing remarks	
Tea Break 17:00 -17:30	Arrivals	BENEDETTI	BENEDETTI		BENEDETTI	OBCEMEA*		
Afternoon Session 17:30 -19:00	Registration & Welcome Reception	KALUZA	KALUZA		KANDO	GIOVE		
		MACCHI	KARSCH		BAYRAMIAN	BORGHESI		

\* Special Topics