

# 2017 ELISS

ELI SUMMER  
SCHOOL

# PROGRAMME

## CHEILE GRĂDIȘTEI

### 27/ 8/ - 1/ 9/ 2017

LESSONS, ACCOMMODATION  
FOR ELISS STUDENTS:  
CHEILE GRĂDIȘTEI, ROMANIA

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

SUNDAY		8/27/17
14:00	BUS LEAVES HENRI COANDA AIRPORT	
19:00	ARRIVAL OF PARTICIPANTS	SUPPER RECEPTION
19:00-21:00	REGISTRATION OF PARTICIPANTS	
MONDAY		8/28/17
8:30	REGISTRATION OF PARTICIPANTS	
9:00	OPENING ELI SUMMER SCHOOL	
9:15	OVERVIEW OF ELI-NP	KAZUO A.TANAKA, ELI-NP, ROMANIA
10:15	OVERVIEW OF ELI-BEAMLINES	GEORG KORN, ELI-BEAMLINES, CZECH REPUBLIC
11:15	COFFE/TEA BREAK	
11:45	OVERVIEW OF ELI-ALPS	DIMITRIS CHARALAMBIDIS, ELI-ALPS, HUNGARY
12:45	LUNCH	
14:15	ASTROPHYSICS AND COSMOLOGY WITH INTENSE LASERS	OVIDIU TESILEANU, ELI-NP, ROMANIA
15:15	COFFE/TEA BREAK	
15:45	TIME-RESOLVED PHOTOELECTRON SPECTROSCOPY: AN ULTRAFast CLOCK TO STUDY FEMTOSECOND PHENOMENA AT SURFACES, INTERFACES AND IN CONDENSED MATTER	BENJAMIN STADTMULLER, THE UNIVERSITY OF KAISERSLAUTERN, GERMANY
16:45	ION ACCELERATION AND SUBSEQUENT NEUTRON PRODUCTION	MARKUS ROTH, TECHNISCHE UNIVERSITÄT DARMSTADT, GERMANY
17:45	DINNER	
TUESDAY		8/29/17
9:00	POLARIZATION EFFECTS IN INTENSE LASER - MATTER INTERACTION	MADALINA BOCA, FACULTY OF PHYSICS, MAGURELE, ROMANIA
10:00	COHERENT CONTROL OF CHARGED PARTICLES USING ULTRASHORT PULSES AT HIGH INTENSITY	SUBHENDU KAHALY, ELI-ALPS, HUNGARY
11:00	COFFE/TEA BREAK	
11:30	THE BASICS OF PHOTO FISSION	ANDREAS OBERSTEDT, ELI-NP, MAGURELE, ROMANIA
12:30	HIGH INTENSITY GAMMA BEAM APPLICATION	GABRIEL SULIMAN, ELI-NP, MAGURELE, ROMANIA
13:30	LUNCH	
15:00	EUROPEAN XFEL AND ITS APPLICATIONS	MIKAKO MAKITA, EUROPEAN XFEL, GERMANY
16:00	COFFE/TEA BREAK	
16:30	LASER BASED ELECTRON ACCELERATION & MEDICAL APPLICATIONS	GIANLUCA SARRI, THE QUEEN'S UNIVERSITY OF BELFAST, UK
17:30	DINNER	
19:30	POSTER SESSION	WITH DRINKS
WEDNESDAY		8/30/17
9:00	POSTER SESSION	WITH COFFEE
12:00	LUNCH	
13:00 - 18:00	TRIP TO BRAN CASTLE AND SURROUNDINGS	
19:00	FESTIVE DINNER	
20:30	AFTER DINNER SPECIAL LECTURE - AN EUROPEAN SPACE OF INTERIMPERIAL HISTORY AND CULTURAL TOLERANCE	ACAD. RAZVAN TEODORESCU
THURSDAY		8/31/17
9:00	NUCLEAR PHYSICS WITH GAMMA BEAMS	DENIZ SAVRAN, GSI, GERMANY
10:00	LIGHT BY LIGHT SCATTERING AND VACUUM BIREFRINGENCE	ANTON ILBERTON, PLYMOUTH UNIVERSITY, UK
11:00	COFFE/TEA BREAK	
11:30	NON-LINEAR XUV PROCESSES	PARASKEVAS TZALLAS, INSTITUTE OF ELECTRONIC STRUCTURE AND LASER, FOUNDATION FOR RESEARCH AND TECHNOLOGY, GREECE
12:30	STRONG THZ FIELD ENGINEERING FROM SCULPTURED FEMTOSECOND LASER	STELIOS TZORTZAKIS, TEXAS A&M UNIVERSITY AT QATAR
13:30	LUNCH	
15:00	FEMTOSECOND LASER DRIVEN X-RAY SOURCES	JAROSLAV NEJDL, ELI-BEAMLINES, CZECH REPUBLIC
16:00	COFFE/TEA BREAK	
16:30	EXAWATT SCIENCE	ALEXANDER SERGEEV, INST APPL PHYS RUSSIA
17:30	DINNER, CLOSING & AWARD CEREMONY	
FRIDAY		9/1/17
8:00	DEPARTURE FROM CHEILE GRĂDIȘTEI	
13:00	VISIT TO THE ELI-NP FACILITY, MAGURELE	
14:00	BUS LEAVES MAGURELE, HEADING HENRI COANDA AIRPORT	

Each seminar is 60 minutes long = 50 minute presentation plus 10 minute discussion/questions

HORIZON 2020



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Extreme Light Infrastructure