Draft Program for the 2018 CAS - Introduction to Accelerator Physics - Constanta

	Su,16.9.	Mo, 17.9	Tu, 18.9	We, 19.9	Th, 20.9.	Fr, 21.9	Sa,22.9	Su, 23.9	Mo, 24.9	Tu, 25.9	Me, 26.9	Th, 27.9	Fr, 28.9.	Sa, 29.9.
08:30	Arrival day and registration	Opening	Transverse Linear Beam Dynamics I	Linear Accelerators I	Transverse Linear Beam Dynamics IV	RF systems I	Collective Effects I	Excursion	Collective Effects III	Cyclotrons I	Free	Injection and Extraction	Kickers, Septa and Beam Transfer	Bus transfer to Bukarest, ELI visit
09:30														
09:45		Accelerator Applications	Transverse Linear Beam Dynamics II	Linear Accelerators II	Transverse Linear Beam Dynamics V	RF systems II	Collective Effects II		Collective Effects IV	Linear Imperfections I		Sources	Secondary beams and targets	
10:45		Coffee							Coffee					
11:15		Electromagnetic Theory I	Particle motion in Hamiltonian Formalism I	Longitudinal Beam Dynamics in Circular Machines I	Discussion transverse BD	FFAG's	Advanced accelerator concepts		Discussion collective effects Li	Cyclotrons II Seidel		FELs	Machine & People Protection Issues	
12:15		Lunch							Lunch					
13:45		Electromagnetic Theory II	Particle motion in Hamiltonian Formalism II	Longitudinal Beam Dynamics in Circular Machines II	Free	Non-Linear longitudinal Beam Dymanics Damerau	Warm Magnets/power converters de Rijk		Non-Linear Beam Dynamics I	Linear Imperfections II /Corrections	Linear Imperfections III/Corrections	Beam Instrumentation	Luminosity and Colliders	late lunch at ELI
14:45														
15:00		Kinematics of Particle Beams - Relativity	Time& Frequency domain	Transverse Linear Beam Dynamics III		Discussion longitudinal BD Tecker/Alesini/Dam erau	Superconducting Magnets de Rijk		Non-Linear Beam Dynamics II	Electron Beam Dynamics II	Synchrotron light machines/synchrotr on radiation	Beam Diagnostics	Q&A/study time V	
16:00		Coffee				Coffee			Coffee		Coffee	Coffee		
16:30		Statistical Description of Particle Beams	Hands-ON Lattice calulations - introduction	Hands-ON Lattice calulations I		Hands-ON Lattice calulations III Ziemann/Herr	Hands-ON Lattice calulations V Ziemann/Herr		Electron Beam Dynamics I	Discussion electron beam dynamics	Q&A/study time III	Q&A/study time IV	closing	departure
17:30		1 slide 1 minute		Hands-ON Lattice calulations II		Hands-ON Lattice calulations IV Ziemann/Herr	Posters all		Q&A/study time I all	Q&A/study time II all	** Seminar ** tbd			
18:30		Welcome Reception												
19:30		Dinner at Hotel											Banquet	
21:00		poster preparation								cinema event				