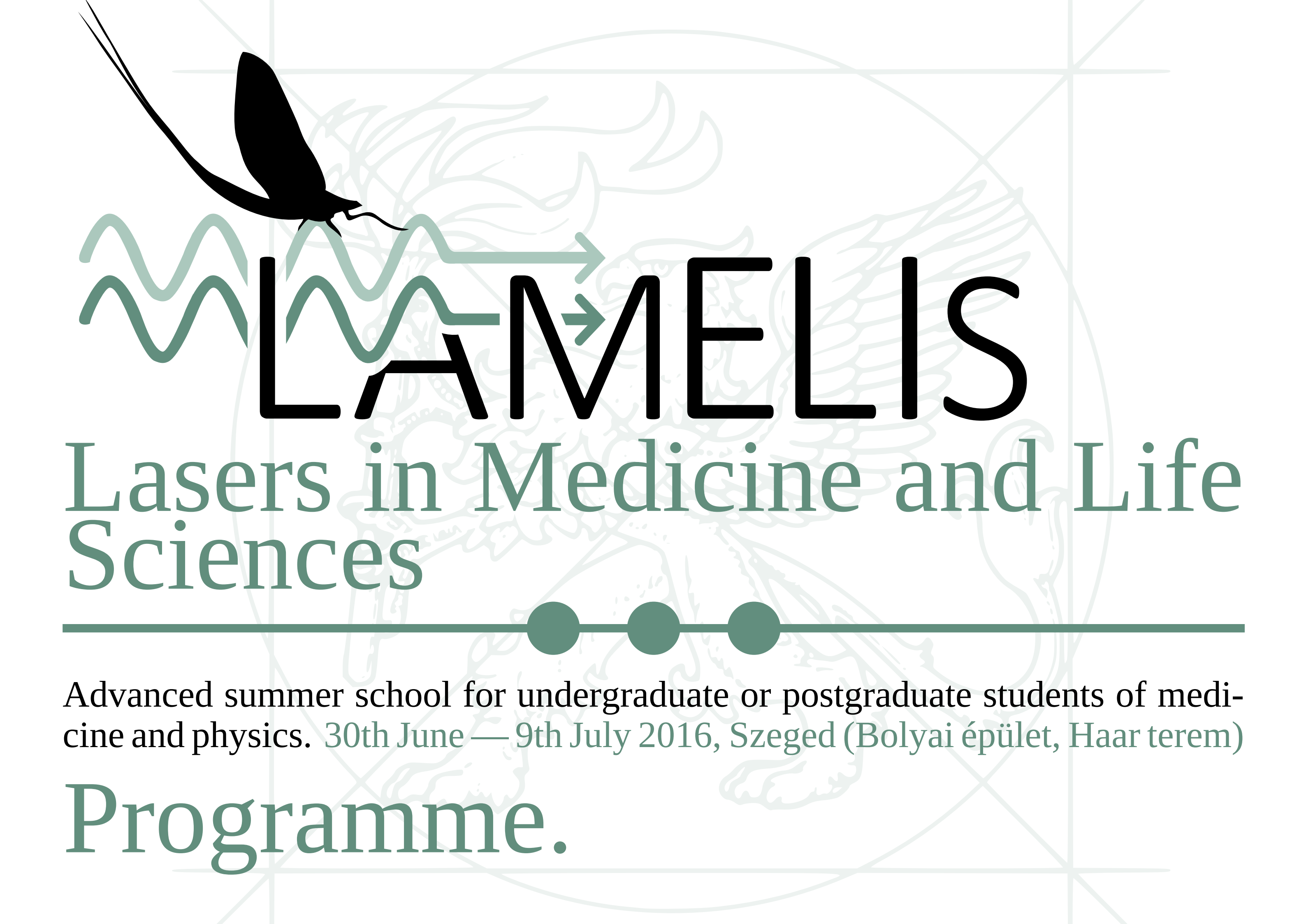




LAMMELIS

Lasers in Medicine and Life Sciences

Advanced summer school for undergraduate or postgraduate students of medicine and physics. 30th June — 9th July 2016, Szeged (Bolyai épület, Haar terem)

Programme.

30 Jun (Thu)		1 Jul (Fri)		2 Jul (Sat)		3 Jul (Sun)			
AM	► Arrival	► 9 ⁰⁰ –10 ³⁰ • Péter Maróti, Lasers in biophysics: why is laser light unique? ► 10 ⁴⁵ –12 ¹⁵ • Simona M Cristescu, Sniffing volatiles released from biological samples with laser-based instrumentation		► 9 ⁰⁰ –10 ³⁰ • Ferenc Bari, What did we learn about microcirculation using lasers ► 10 ⁴⁵ –12 ¹⁵ • Laboratory visit: telemedicine		► Excursion: Ópusztaszer Heritage Park			
Break		► 13 ⁰⁰ –14 ⁰⁰ • Lunch		► 13 ⁰⁰ –14 ⁰⁰ • Lunch					
PM	► 14 ⁰⁰ –15 ⁰⁰ • Registration ► 15 ⁰⁰ –15 ³⁰ • Lajos Kemény – Ferenc Bari, Opening ceremony ► 15 ⁴⁵ –17 ¹⁵ • Katalin Varjú, The ELI-ALPS infrastructure – Basics of high-energy short pulsed lasers ► 19 ⁰⁰ –22 ⁰⁰ • Welcome party	► 14 ⁰⁰ –15 ³⁰ • Pál Ormos, Optical manipulation ► 15 ⁴⁵ –17 ¹⁵ • Tomáš Čížmár, Photonics in disordered environments and fibre-based imaging		► Sightseeing in Szeged		► Excursion: Ópusztaszer Heritage Park			
4 Jul (Mon)		5 Jul (Tue)		6 Jul (Wed)		7 Jul (Thu)		8 Jul (Fri)	
AM	► 9 ⁰⁰ –10 ³⁰ • Justin Molloy, Optical tweezers ► 10 ⁴⁵ –12 ¹⁵ • Martin Leahy, Microcirculation imaging with light and sound	► 9 ⁰⁰ –10 ³⁰ • Adrian Podoleanu, Optical coherence tomography (OCT) ► 10 ⁴⁵ –12 ¹⁵ • Attila Thury, OCT in coronary interventions		► 8 ³⁰ –10 ⁰⁰ • Zs Bere – M Csanády – B Sztanó – G Vass – J G Kiss, Lasers in otolaryngology ► 10 ³⁰ –13 ⁰⁰ • Visit to the ELI site		► 9 ⁰⁰ –10 ³⁰ • Katalin Hideghéty, Ionising radiation for cancer treatment ► 10 ⁴⁵ –12 ¹⁵ • Jörg Pawelke, Radiotherapy with laser-driven particle beams		► 9 ⁰⁰ –10 ³⁰ • Kinga Turzó – Zsolt Tóth, Lasers for dental applications ► 10 ⁴⁵ –12 ⁰⁰ • Márta Fülöp Papp, Lasers in dentistry	
Break	► 13 ⁰⁰ –14 ⁰⁰ • Lunch	► 13 ⁰⁰ –14 ⁰⁰ • Lunch		► 13 ⁰⁰ –14 ⁰⁰ • Lunch		► 13 ⁰⁰ –14 ⁰⁰ • Lunch		► 12 ³⁰ –13 ³⁰ • Lunch	
PM	► 14 ⁰⁰ –15 ³⁰ • András Lukács, Transient absorption and fluorescence spectroscopy ► 15 ⁴⁵ –17 ¹⁵ • Beáta Bugyi, TIRF microscopy	► 14 ⁰⁰ –16 ⁰⁰ • Laboratory visit: OCT ► 16 ⁰⁰ –17 ⁰⁰ • Laboratory visit: lasers in ophthalmology		► 14 ⁰⁰ –15 ³⁰ • Magdolna Gaál, Lasers in dermatology ► 16 ⁰⁰ –17 ⁰⁰ • Laboratory visit: lasers in dermatology		► 14 ⁰⁰ –15 ³⁰ • Elke Beyreuther, Radiobiology of pulsed particle beams ► 16 ⁰⁰ –17 ⁰⁰ • Laboratory visit: high-intensity laser laboratory		► 14 ⁰⁰ –17 ⁰⁰ • Laboratory visits in the Biological Research Centre	