



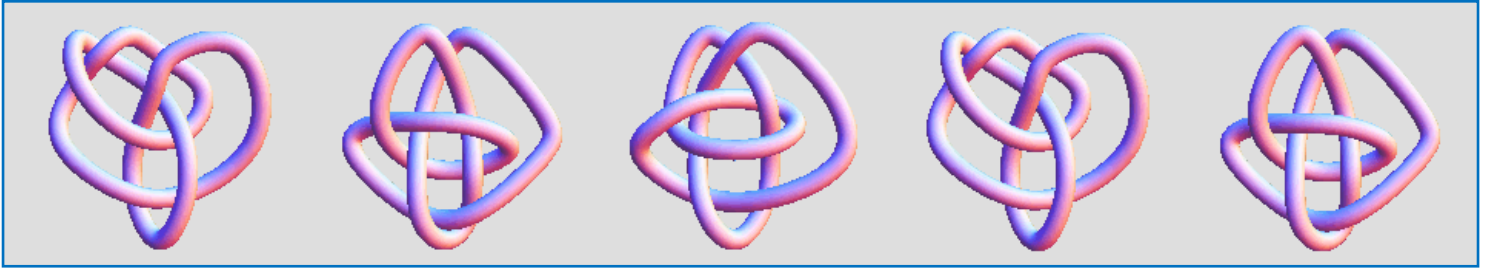
Summer University

CENTRAL EUROPEAN UNIVERSITY

The CEU Summer University announces the course

**LOW DIMENSIONAL TOPOLOGY**  
**JULY 4 - 8, 2016 BUDAPEST, HUNGARY**

In cooperation with the Alfréd Rényi Institute of Mathematics



### COURSE DIRECTORS

**Károly Böröczky**, Central European University, Budapest, Hungary

**András Stipsicz**, Central European University/ Alfréd Rényi Institute of Mathematics Budapest, Hungary

### FACULTY

**Francesco Lin**, Massachusetts Institute of Technology (MIT), Cambridge, USA

**Klaus Niederkruger**, Toulouse University, France/ Alfréd Rényi Institute of Mathematics Budapest, Hungary

**Brendan Owens**, University of Glasgow, UK

**Vera Vértési**, University of Strasbourg, France

### BRIEF COURSE DESCRIPTION

Low dimensional topology is an emerging field, whose significance is underlined by its intimate connection to physics, by the related Abel Prizes Atiyah (2004), Gromov (2009), Milnor (2011), and Fields medals (second only to the Abel Prize in mathematics), like the ones for Donaldson, Freedman, Jones and Witten. The Summer School concentrates on recent developments in low dimensional topology.

The lecture series are aimed to introduce the participants to the latest developments in low dimensional topology. We expect that these lectures will provide tools and ideas for further research of the participants, and ultimately help them to successfully finish their graduate studies and produce a PhD dissertation competitive world wide, and write papers of high impact.

Key topics are Seiberg-Witten monopoles, Legendrian and transverse knots, Alternating links and J-holomorphic curves.

The Summer School targets interested Masters and PhD students, and post docs.

Central European University's summer school (CEU SUN), established in 1996, is a program in English for graduate students, junior or post-doctoral researchers, teachers and professionals. It offers high-level, research-oriented, interdisciplinary academic courses as well as workshops on policy issues for professional development, taught by internationally renowned scholars and policy experts (including CEU faculty). Application from all over the world is encouraged. Financial aid is available.

For further academic information on the course and on eligibility criteria and funding options please visit the web site at

<http://summeruniversity.ceu.edu/topology-2016>

**Application deadline: March 31, 2016**

CEU Summer University

✉ P.O. Box: Budapest 5, P.f.: 1082, H-1245

☎ (36 1) 327 381,  facebook.com/ceu.summer

E-mail: [summeru@ceu.edu](mailto:summeru@ceu.edu)

Non-discrimination policy statement

Central European University does not discriminate on the basis of – including, but not limited to – race, color, national and ethnic origin, religion, gender or sexual orientation in administering its educational policies, admissions policies, scholarship and loan programs, and athletic and other school-administered programs.