FuSe School 2026

FUNDAMENTAL PHYSICS · SEISMOLOGY · EXPERIMENTS · AI

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TESTING FUNDAMENTAL PHYSICS WITH SEISMOLOGY

TIHANY, HUNGARY
7-11 September 2026

FuSe School 2026

Gergely Gábor Banraföldi

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1. Venue – In a nutshell

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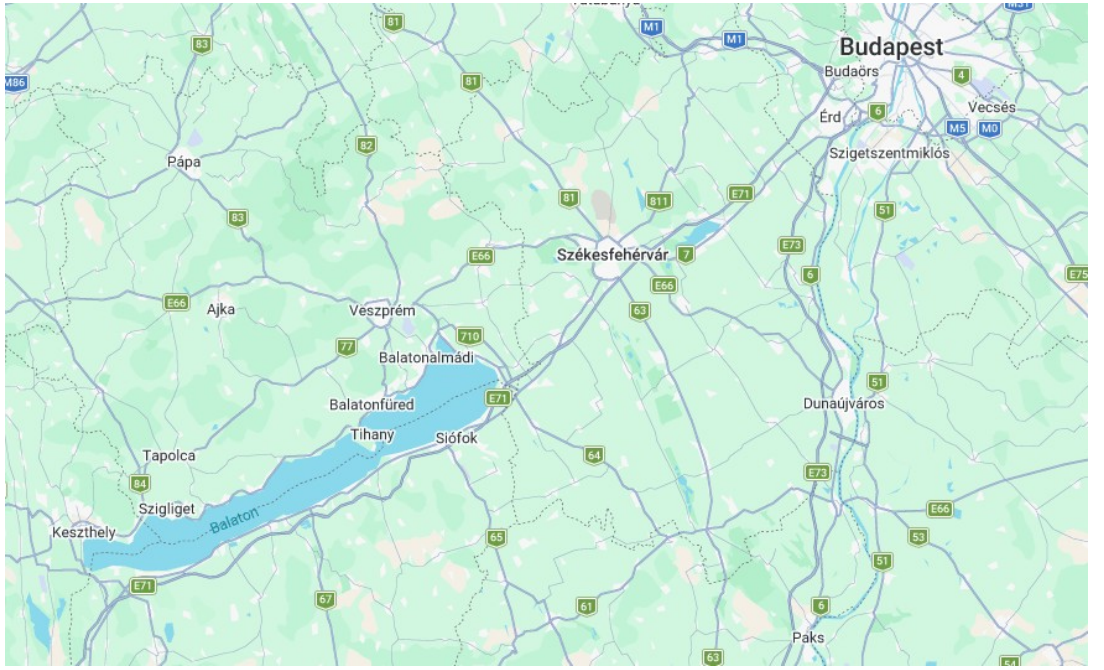
Lake Balaton

Lake Balaton is Central Europe's largest freshwater lake, affectionately known as the "Hungarian Sea" (598 km², 77 km long, and about 14 km wide). The depth is very shallow, with an average depth of just 3.3 meters (deepest point is 11 meters). Water Temperature is warm in summer, averaging around 25°C

North Shore: Known for volcanic hills, historic towns, wine regions like Badacsony, and deeper water that gets deep quickly.

The South Shore: Famous for flat terrain, lively resort towns like Siófok, long shallow sandy areas, and family-friendly beaches and nightlife.



1. Venue – In a nutshell

Tihany

Tihany is in Veszprém County, Hungary's first protected landscape and nature reserve, established in 1952.Population: Around 1,330 residents.

Tihany Abbey: Founded in 1055 AD by King Andrew I, whose crypt remains inside. Its founding charter contains the first written words of the Hungarian language.

Lavender Fields: Extensive plantations first started in the 1920s, known for vibrant blooms in June and July.

Echo Hill: A famous 18th-century acoustic site where a shout bounces back from the abbey wall after 2s.

Inner Lake (Belső-tó) & Geysers: A peaceful volcanic lake used for angling, surrounded by old limestone geyser cones like the Golden House.

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2. The Programme

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Monday, September 7, 2026	Tuesday, September 8, 2026	Wednesday, September 9, 2026	Thursday, September 10, 2026	Friday, September 11, 2026
8:00 AM Breakfast	8:00 AM Breakfast	8:00 AM Breakfast	8:00 AM Breakfast	8:00 AM Breakfast
9:00 AM Opening	9:00 AM Plenary session	9:00 AM Hands-on session	9:00 AM Plenary session	9:00 AM Plenary session
9:15 AM Plenary session				
10:30 AM Coffee break	10:30 AM Coffee break	10:30 AM Coffee break	10:30 AM Coffee break	10:30 AM Coffee break
11:00 AM Hands-on session	11:00 AM Hands-on session	11:00 AM Hands-on session	11:00 AM Hands-on session	11:00 AM Hands-on session
12:30 PM Lunch break	12:30 PM Lunch break	12:30 PM Photo session	12:30 PM Lunch break	12:30 PM Lunch break
		12:35 PM Lunch break		
2:30 PM Plenary session	2:30 PM Plenary session	2:00 PM Excursion	2:30 PM Plenary session	2:30 PM Plenary session
4:00 PM Coffee break	4:00 PM Coffee break		4:00 PM Coffee break	4:00 PM Coffee break
4:30 PM Hands-on session	4:30 PM Poster session		4:30 PM Hands-on session	4:30 PM Closing and discussion
6:00 PM Dinner and welcome reception	6:00 PM Dinner	6:00 PM Social dinner	6:00 PM Dinner	
			7:00 PM Tudományos ismeretterjesztő előadás - Public outreach event	

2. The Programme

Trainers

Tomasz Bulik (Astronomical Observatory of University of Warsaw, Poland)

Andrea Donini (University of Valencia, Valencia, Spain)

Piotr Homola (The H. Niewodniczański Institute of Nuclear Physics, Polish Academy of Sciences, Kraków, Poland)

Petre Lameski (Faculty of Computer Science and Engineering, University of Skopje, North Macedonia)

Philippe Lognonné (Institut de Physique du Globe de Paris, Université Paris Cité, France)

Livia Ludhova (GSI Darmstadt & Johannes Gutenberg-Universität, Mainz, Germany)

Gergely Surányi (HUN-REN Wigner Reseach Centre for Physics, Budapest, Hungary)

Peter Ván: Public outreach talk in Hungarian

3. Excursion & Dinner

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Social Events

Mon: Welcome dinner with vine

Tue: Poster Section with wine: Place poster now, and send a 2min talk (max 3 slides) for the Flash talks. Will be presented on Thursday afternoon.

Wed: Excursion: to the underground lake cave in Tapolca by bus. **Need to pay 5,000 HUF (in cash)** for the entrance until Tuesday to us.

Social dinner: Gergely's Cellar in Balatoncsicsó: vine tasting and owen-baked chicken and pork.

4. Best Poster Award

Best posters &flash talks

Poster Section with wine: Posters can be read & discuss any time, but will be evaluated after the Flash Talk / Poster section.

Best Poster Award will be given to students presenting their results at the best performance. Award **winners can have a free participation to the next FuSe Conference in 2027**.

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Thanks to COST Action CA24101 & NKFIH MEC_26 154797

Memorandum of Understanding for the implementation of the COST Action "Testing Fundamental Physics with Seismology" (FuSe) CA24101

The main aim and objective of the Action is to bridge fundamental physics and Earth scientists, focusing on seismic data's potential to uncover new physics. Through interdisciplinary collaboration, advanced methodologies, and SME engagement, it advances understanding of Earth's structure, astrophysical phenomena, and improves natural catastrophe alert systems.

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