

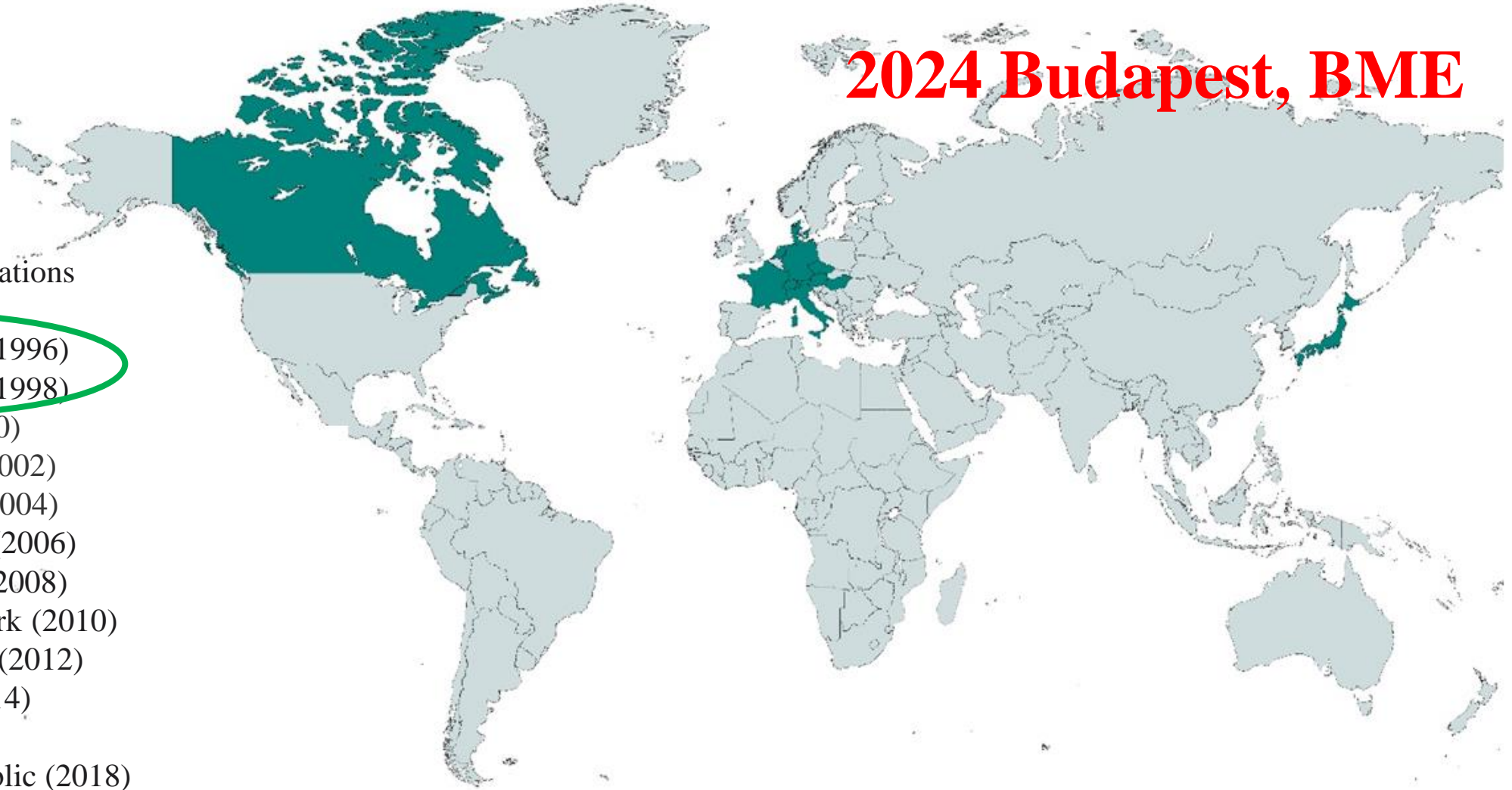
International PhD Symposia in Civil Engineering
supported by *fib*

INVITATION to *fib* PhD Symposium 2024 Budapest

1. 1996. Budapest Univ. of Technology (BME)
2. 1998. Budapest Univ. of Technology (BME)
3. 2000. Univ. of Applied Sciences Vienna
4. 2002. Technical Univ. Munich and Univ. of Federal Armed Forces Munich
5. 2004. Research School Structural Eng. and Delft Univ. of Technology
6. 2006. ETH Zürich
7. 2008. Universität Stuttgart
8. 2010. Tech. Univ. of Denmark, Lyngby
9. 2012. Karlsruhe Institute of Techn. (KIT)
10. 2014. Université Laval, Quebec City
11. 2016 The University of Tokyo
12. 2018 Prague
13. 2020 + 2021 France
14. 2022 Italy, Uni. Tor Vergata
- 15. 2024 Budapest, BME**

MAP of PhD SYMPOSIA

Organizers: 15 universities from 3 continents: Europe, America, Asia



■ PhD Symposia locations

Budapest, Hungary (1996)

Budapest, Hungary (1998)

Vienna, Austria (2000)

Munich, Germany (2002)

Delft, Netherlands (2004)

Zurich, Switzerland (2006)

Stuttgart, Germany (2008)

Copenhagen, Denmark (2010)

Karlsruhe, Germany (2012)

Québec, Canada (2014)

Tokyo, Japan (2016)

Prague, Czech Republic (2018)

Paris, France (2020)

Rome, Italy (2022)

Budapest, Hungary (2024)

Vienna (2026), USA (2028), NZ....

fib PhD Symposia 1996 – 2022 ... 2024

Closing, Rome 7 Sept. 2022



fib PhD Symposia 2020-2021 Paris 2022 Rome



Concept of Non-metallic Bridge

Butterfly web (80MPa concrete)

Steel fiber (0.5% content in volume)

Aramid fiber

Dura Bridge
✓ Extra cost is within 1.5 times of that by conventional technology.

14th fib PhD Symposium in Rome / 5-7 September 2022

36

SUMITOMO MITSUI CONSTRUCTION

G.L. Balázs, BME, Budapest, Hungary



ORGANISING COMMITTEE Chairs
Marco di Prisco **Alberto Meda**
CONGRATULATIONS
ORGANISING COMMITTEE



Architectural Tour:

Ilaria Giannetti
Giulio Zani

Organizing Committee...:

Fabio Di Carlo

Simona Bianchi

Elena Ciampa

Antonio Conforti

Costantino Menna

Giovanni Minafò

Daniele Perrone

Luca Pozza

Giuseppe Ferrara



Marta del Zoppo
 University of Naples Federico II



Simone Spagnuolo
 University of Rome Tor Vergata



Diego Alejandro Talledo
 University of IUAV Venezia

Italian *fib* Young Members Group



Isabella Giorgia Colombo
 DSC Erba



Diego Gino
 Politecnico di Torino



Simone Labò
 University of Bergamo

Closing Dinner Photo

2022 Rome

CONGRATULATIONS



Architectural (Nervi) Tour Palazzetto dello sport

2022 Rome

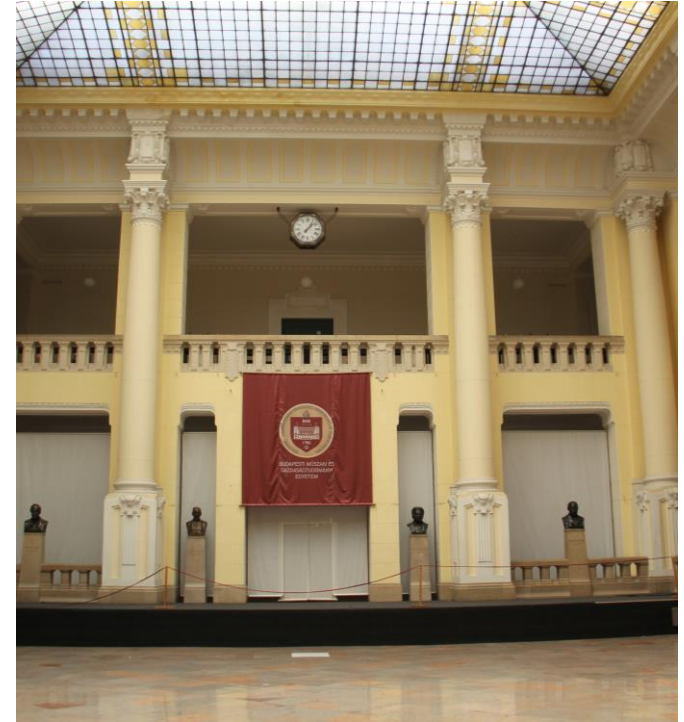
CONGRATULATIONS



BME UNIVERSITY



2024 Budapest, BME

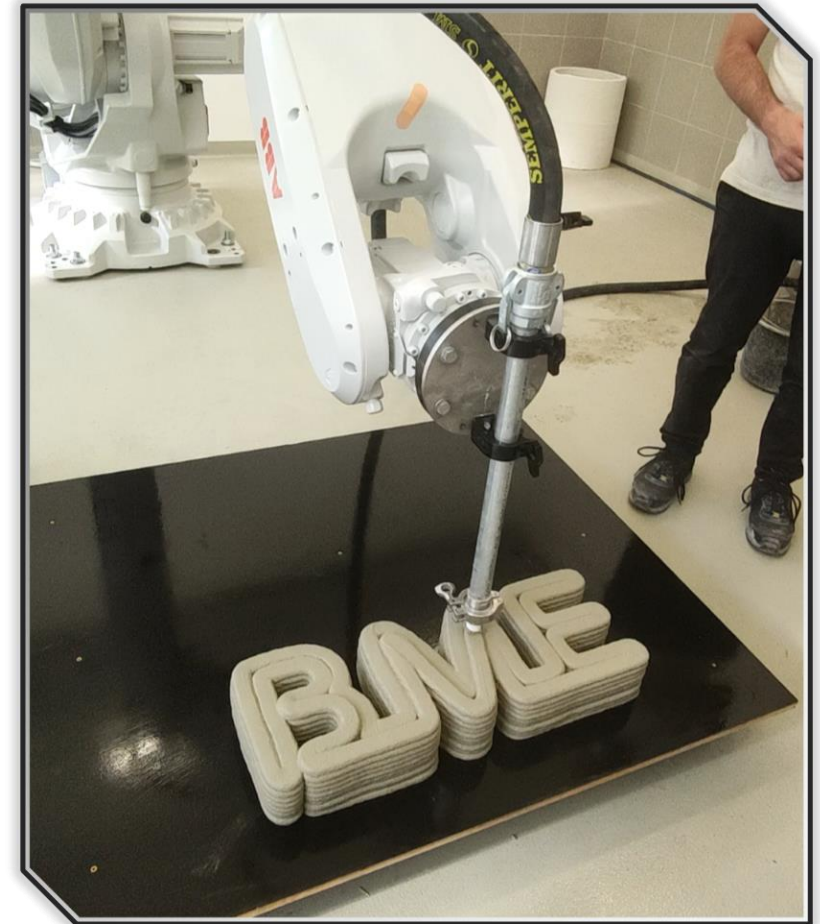




20 BME

Budapest University of Technology and Economics (BME)

- **Founded in 1782**, the Budapest University of Technology and Economics, BME is **one of the world's oldest institutes of technology**.
- BME is home to approximately **21,000 students**, of which a 1,000 or more are from overseas.
- BME is close to the downtown Budapest.



Symposium Topics (Tentative)

Innovations in
concrete
technology

Structural
analysis and
design

Retrofitting and
assessment of
existing structures

History of concrete
structures and
assessment of
heritage buildings

Construction
technology

Bridges, dams
and tunnels

Composite
structures

Structural
reliability and risk
analysis

Durability and
materials

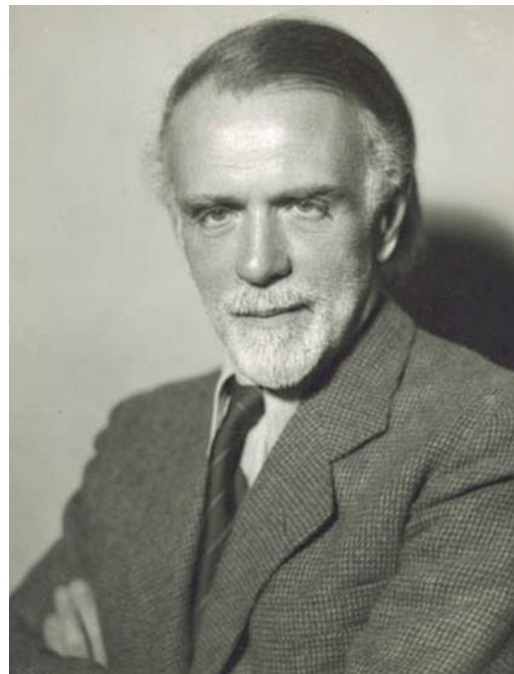
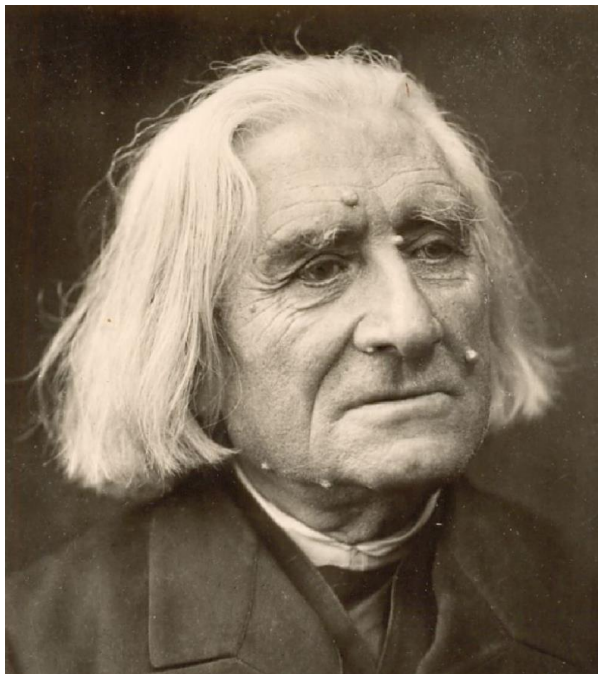
Sustainability and
life cycle
assessment

Structural health
monitoring

3D concrete
printing

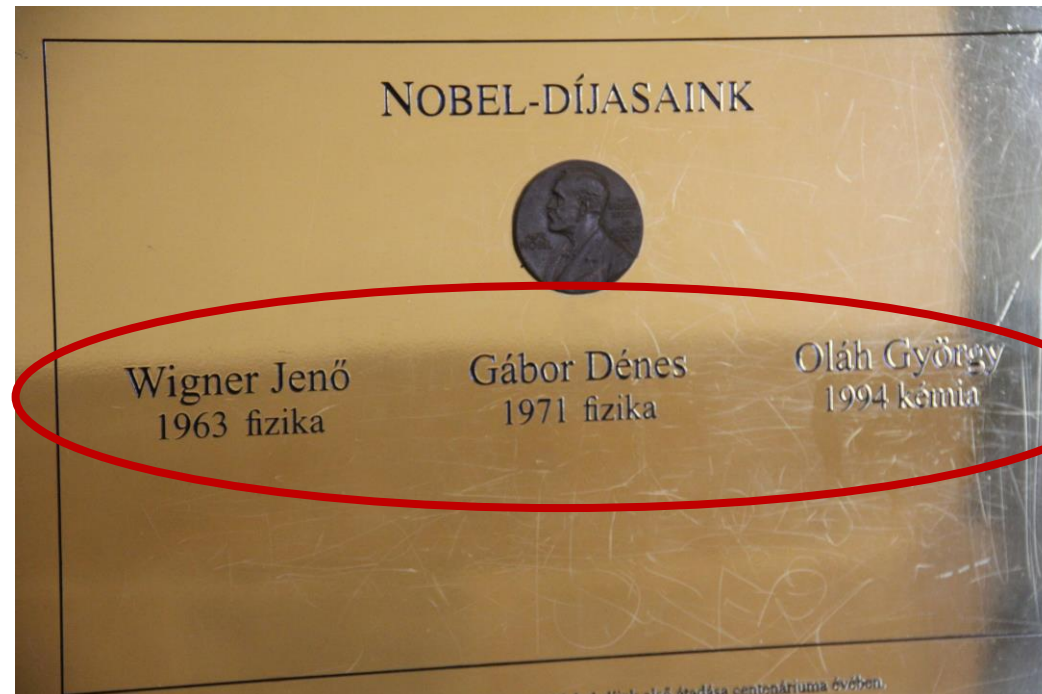
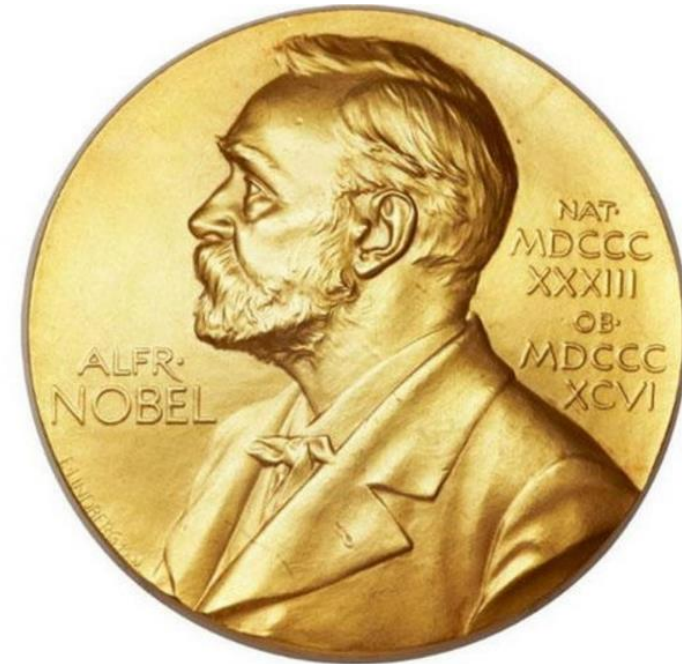
Hungarian composers

- Ferenc Liszt (1811 - 1886)
- Zoltán Kodály (1882 - 1967)
- Béla Bartók (1881 - 1945)



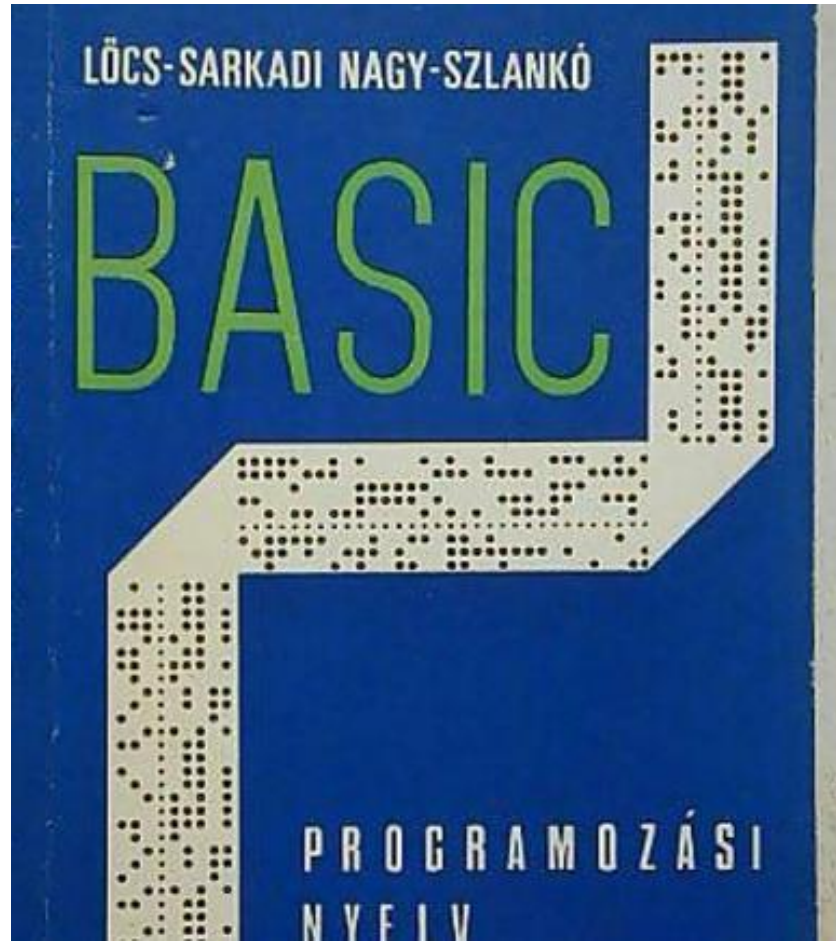
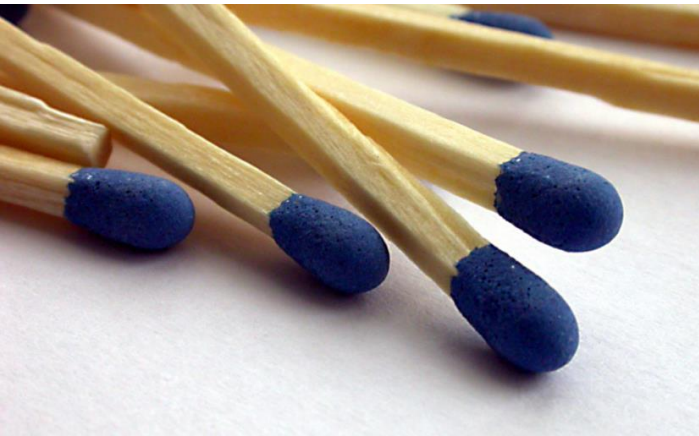
Nobel prize winners of Hungarian origin

- 1905 Fülöp Lénárd
- 1914 Róbert Bárány
- 1925 Richárd Zsigmondy
- **1937 Albert Szent-Györgyi**
- 1943 György Hevesy
- 1961 György Békésy
- 1963 Jenő Wigner
- 1971 Dénes Gábor
- 1976 Daniel Carleton Gajdusek
- 1976 Milton Friedman
- 1986 Elie Wiesel
- 1986 János Polányi
- 1994 János Harsányi
- 1994 Oláh György
- 2002 Imre Kertész
- 2004 Ferenc Herskó





Hungarian inventions



- Matches
- Ball pen (Bíró)
- Camera
- Dynamo
- Basic language
- Floppy disk
- Rubik cube
- Telephone system
- Particle accelerator



Hungarian football



Puskás Ferenc



Concrete ball is floating in the Danube River





PhD Symposium 2024 important dates

August 2024						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Wednesday, Aug 28th 2024

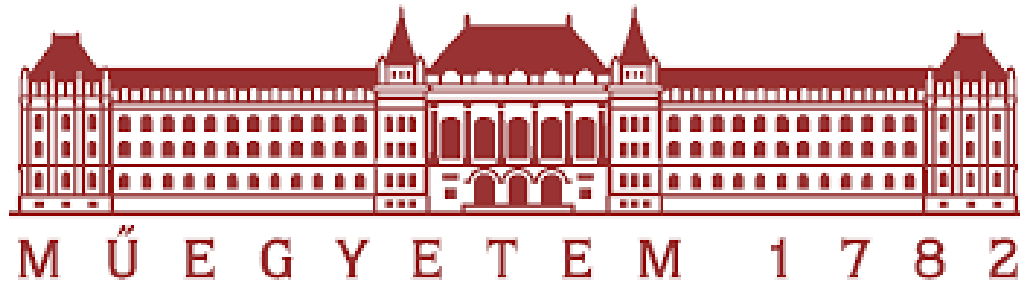
Symposium date

28 – 30 August 2024

Deadlines

Abstract submission: 30 Oct. 2023

Paper submission: 31 March 2024



Homepage:

www.fibphdsymp2024.bme.hu

E-mail:

fibphdsymp2024@emk.bme.hu



***fib* PhD Symposium 2024 Budapest**

28 – 30 August 2024

Budapest University of Technology and Economics (BME)