

## Activities in the popularisation of R&D&I and communication with the public

### Student Competitions

- **INSPIRELI AWARDS**, the world's largest global student contest in Architecture, Urban Design and Landscape, and Interior Design, which in 2019 involved 136 countries, providing the forum connecting professionals, students and general public.  
<https://www.inspireli.com/en/awards/>
- "Hall of the year", open for wide public, where teams develop and build models of real structures subjected to given conditions (span, material, load, weight) which are then physically loaded up to ultimate load. <http://halarokuakademik.fsv.cvut.cz/homepage-eng.html>

### Workshops

- **SUMMER SCHOOL OF ARCHITECTURE**: main theme is to commemorate the current anniversary of a historical event, but in the context of the present and the relationship to the future; 2016, 2017, 2018.
- **SCOLA TELCZ**: international, interdisciplinary workshop in the city of Telč, in cooperation with MUNI Brno, STUBA Bratislava, NPÚ Telč and DUK Krems, 2017, 2018
- **TRADITIONAL CITY ARCHITECTURE OF THE 19<sup>TH</sup> AND THE BEGINNING OF 20<sup>TH</sup> CENTURY**: craft workshops, in cooperation with NTM Prague, 2018
- **Innovations of steel and timber structures with focus to glass structures**, 61 participants. The seminar was focused on innovations in the design of load-bearing glass structures, development of standard materials and practical demonstrations of the design, 2015
- **Design of Joints of Steel Structures by the Finite Element Method**. Seminar. 134 participants. Seminar summarise the knowledge of European design of steel, steel and concrete and steel structures, 2016
- **Design of Stainless-Steel Structures**, Seminar,. 72 participants. Seminar for dissemination of knowledge of European project RFCS related to design of Stainless-Steel Structures, 2017
- **Project day of dry construction for fire specialist**. Seminar,. 59 participants. Seminar shows the opportunity of dry construction in industrial and commercial buildings, 2017.
- **Steel Bridges Prague 2018**, European symposium organised with ČAOK Ostrava and ECCS Brussels. The symposium summarized the latest findings on steel bridge in Europe. <http://www.steelbridges2018.com/>
- **Valorisation of Knowledge for Sustainable Steel-Composite Bridges**. Seminar, 96 participants. Seminar for dissemination of knowledge of European project RFCS SBRI+ related to holistic design of steel and concrete bridges, 2018, <http://steel.fsv.cvut.cz/SBRI/index.htm>

### Conferences

- **CZECHOSLOVAK HUSSITE CHURCH**: Contribution of the Czechoslovak Hussite Church (CHC) to the cultural heritage of the modern state in the context of the development of the architecture in the regions – Unevaluated architecture after the establishment of the independent Czechoslovak state, 2018
- **RAILWAYS – SPECIFICS, CHALLENGES AND LIMITS OF PRESERVATION AND NEW USE OF RAILWAY HERITAGE**: The goal of the Conference was not only to summarize the experience of research in the field of railway transport from the point of view of history and to point out

the issues of selection and evaluation of railway heritage as a part of the heritage care, but also to outline various ways of new use, 2017

- ARCHITECTURE AND PUBLIC SPACE – SPECIFICS, CHALLENGES AND LIMITS, 2016
- Annual Conference **Man, Building and Urban Planning**, The traditionally organized conference of the Department of Urbanism and Urban Planning is meant for the scientific researchers, undergraduates of doctoral study programs, public administration officers, professional practitioners, but also for company representatives and representatives of civil society - who are invited particularly to discuss conference posts.  
<http://csup.uzemi.eu/en/publications/-5-clovek-stavba-a-uzemni-planovani-11.html>
- **CESB16** – International conference Central Europe towards Sustainable Building 2016, Prague 2016 every three years (2007, 2010, 2013, 2016, 2019) organisation of international conference with participation of around 250-350 participants from more than 40 countries.<http://cesb.cz/>
- **YRSB16** Young researchers forum in sustainable building, Prague 2016. Traditional international one-day workshop for PhD candidates. <http://www.cesb.cz/yrsb/>
- **Steel Space and Composite Structures**, International Conference. 28-30.5.2014. 102 participants. The conference was focussed to advanced technologies and design of steel and steel and concrete structures.<https://www.worldcat.org/title/proceedings-of-the-12th-international-conference-on-steel-space-composite-structures-prague-czech-republic-28-30-may-2014/oclc/1007104152>
- **Building up Efficient and Sustainable Transport Infrastructure 2017** (BESTInfra2017). International conference with more than 100 participants. [www.bestinfra.cz](http://www.bestinfra.cz)
- **Fishponds** (original Czech title Rybníky) conference is held every year since 2015. The lectures cover different topics related to fishponds. The number of participants varies around 150 and they come from both scientific and professional communities.
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#### Popularization activities

- Popularization activities in Radio Leonardo, Radio plus, or Czech TV
  - P. Demo: application of nanotechnologies in modern civil engineering, resp. formation of temporal and spatial structures in nonequilibrium systems,
  - J. Fladr: Ultra High Performance Concrete as a suitable material for protective structures.
  - M. Foglar: Czech Television documentary about the preparation of the Reconstruction of the Negrelli viaduct from the series “Nedej se (Do not let it go)”, 2016
- P. Demo is a member of Editorial Board of Czechoslovak Journal of Physics (published in Czech language), focused to popularization of physics, in particular, for students of high schools, resp. universities.
- J. Novák, Organization of annual seminar Applied Optics and Microscopy at the Academy of Sciences of the Czech Republic (lectures for public, popularization of selected scientific topics from applied optics, microscopy and digital image processing)
- M. Pavlíková, chemical club for primary school of CTU in Prague - prof. Ing. Milena Pavlíková, Ph.D., 2017-2018.
- Annual participation in Week of Science and Night of Scientists
- Participation in Gils Day, <https://aktualne.cvut.cz/en/reports/20160502-we-welcomed-prospective-technology-students-within-the-girls-day>

- Participation in Children university, <https://www.cvut.cz/en/ctu-childrens-university>
- Water related learning materials for pre-university education and courses, Set of 14 books and other learning materials for pre-school, primary and school level education. Learning materials are focused on sustainable water management in the context of climate change. Release of learning materials was supported by courses for 500+ participants (2014-2015).
- University of the 3<sup>rd</sup> Age – lectures focused on interesting geotechnical problems as case histories, site investigation and monitoring, analyses, design of remedial measures (Winter semester 2018)
- Lectures for the Czech Tunneling Association ITA AITES (e.g. 2014 Pruška - Principles and Possibilities of Mathematical Modeling, 2016 Butovič - Impacts of trial operation on the environment, 2017 Hilar, Nosek - Reconstruction of a flooded water tunnel in Turkey)
- Exhibition „Dams as Cultural Heritage in Flood Protection“. The exhibition contains partial results of research supported by the Ministry of Culture of the Czech Republic and maps the history of dams with flood-control effects, which today represent a legacy of cultural heritage. The exhibition opening was on 4 August 2015 in the national technical museum in Prague and the exhibition was held until 15 November 2015, furthermore, the exhibition was at the River Basin Authorities (Vltava, Labe, Morava and Ohre), at the Czech technical university in Prague– faculty of civil engineering. The total number of visitors to the exhibition until 2018 is 60 thousand people.
- P. Štemberk, Concrete canoe Stingray, 2014, [http://www.betontks.cz/sites/default/files/2016-2-08\\_0.pdf](http://www.betontks.cz/sites/default/files/2016-2-08_0.pdf)