Organizational and other scientific activities

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Activities at the Institute of Geonics of the Czech Academy of Sciences:

- *Deputy head* – Department of Applied Mathematics and Computer Sciences & Department IT4Innovations
- *Secretary of Institutional Board*

Organization of conferences:

- *Seminar on Numerical Analysis & Winter School – SNA'21*, January 25-29, 2021, http://www.ugn.cas.cz/link/sna21. My roles: main organizer, member of the programme and organizing committees, special issue editor in Applications of Mathematics.
- *Mathematical modelling and computational methods in applied sciences and engineering – Modelling 2019*, September 16-20, 2019, http://www.ugn.cas.cz/actually/event/2019/modelling/. My roles: member of the scientific and local organizing committees, minisymposium organizer, special issue guest editor in Mathematics and Computers in Simulation.
- *Seminar on Numerical Analysis & Winter School – SNA'19*, January 21-25, 2019, http://www.ugn.cas.cz/link/sna19. My roles: member of the programme and organizing committees, special issue editor in Applications of Mathematics.
- *Seminar on Numerical Analysis & Winter School – SNA'17*, January 31 – February 3, 2017, http://www.ugn.cas.cz/link/sna17. My roles: member of the organizing committee, special issue editor in Applications of Mathematics.
- *Seminar on Numerical Analysis & Winter School – SNA'15*, January 31 – February 3, 2017, http://www.ugn.cas.cz/link/sna15. My roles: member of the organizing committee

Organization of minisymposia or invited sessions:

- Minisymposium *Reliable numerical methods in structural mechanics and flow problems* organized by S. Repin, J. Haslinger and Stanislav Sysala, conference Mathematical modelling and computational methods in applied sciences and engineering – Modelling 2019, September 16-20, 2019, http://www.ugn.cas.cz/actually/event/2019/modelling/.
- Invited Session *Limit Analysis and Plastic Collapse* organized by S. Sysala and E. Hrubešová, XV International Conference on Computational Plasticity – COMPLAS 2019, https://congress.cimne.com/complas2019/.

Membership at scientific associations or committees:

- Union of Czech Mathematicians and Physicists
- Mathematical Section of Union of Czech Mathematicians and Physicists, EU-MATH-IN
- International Association for Mathematics and Computers in Simulation (IMACS)
- International Association on Direct Methods (IADiMe)

- Scientific Committees of COMPLAS 2017, 2019, 2021 (Barcelona Spain)
- Scientific Committee of Modelling 2019 (Olomouc, Czech Republic)
- Scientific Committee of SNA 2019 (Ostrava, Czech Republic)

Editorial work:

1. *Application of Mathematics:*
   - member of Editorial Board
   - organization of Special issue on the occasion of the Seminar on Numerical Analysis, 25. -29. 1. 2021, Ostrava, Czech Republic. APPLICATIONS OF MATHEMATICS, in preparation.
   - organization of Special issue on the occasion of the Seminar on Numerical Analysis, 21. -25. 1. 2019, Ostrava, Czech Republic. APPLICATIONS OF MATHEMATICS 65 (2020) 121-122.
   - organization of Special issue on the occasion of the Seminar on Numerical Analysis, 30.1.-3.2.2017, Ostrava, Czech Republic. APPLICATIONS OF MATHEMATICS 62 (2017) 535-536.
2. *Mathematics and Computers in Simulation*
   - special issue guest editor for SI Modelling 2019, to appear in 2021.