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[119] ——, *Advanced programming and design*. Università della Svizzera italiana, Faculty of Informatics, **2013**. MSc course, Teaching Assistant.

[120] P. Fraternali and D. Martinenghi, *Business intelligence*. Università della Svizzera italiana, Faculty of Informatics, **2014**. MSc course, Teaching Assistant.

[121] R. Krause, M. Favino, and P. **Zulian**, *Software atelier: Partial differential equations*. Università della Svizzera italiana. Faculty of Informatics, **2021**. MSc course, Lecturer.

[122] I. Pivkin, *Linear and nonlinear multiscale solution techniques*. Università della Svizzera italiana, Faculty of Informatics, **2014**. MSc course, Teaching Assistant.

[123] P. Sanan and O. Schenk, *Software engineering for computational science*. Università della Svizzera italiana. Faculty of Informatics https://bitbucket.org/psanan/sefcs2015/src/master/, **2015**. PhD and MSc course, Teaching Assistant.

[124] P. **Zulian**, *"Schweizer Jugend Forscht: Study week" : Real-time n-body computer simulations using OpenCL and OpenGL*. Advanced high-school course, **2013**. Lecturer.

[125] ——, *"Special Days: LiLu2" : N-body computer simulations using OpenCL and OpenGL*. Advanced high-school course, **2013**. Lecturer.

[126] ——, *"Schweizer Jugend Forscht: Study week" : Real-time n-body computer simulations using OpenCL and OpenGL*. Advanced high-school course, **2014**. Lecturer.

[127] ——, *"Special Days: LiLu2" : N-body computer simulations using OpenCL and OpenGL*. Advanced high-school course, **2014**. Lecturer.

[128] ——, *Laboratorio "COESI" : Parallel computing with OpenCL*. One day course about programming simple parallel simulations with OpenCL designed for high-school teachers, **2015**. Lecturer.

[129] P. **Zulian** and G. Elefante, *Numerical programming*. Università della Svizzera italiana. Faculty of Informatics, **2025**. BSc course, Course director and Lecturer.

Grants

[130] T. Driesner, R. Krause, and P. **Zulian**, *Franetg - fracture network growth*. https://www.pasc-ch.org/projects/2021-2024/franetg/, **2021**. Co-Principal investigator.

[131] T. Driesner, S. Wiemer, R. Krause, and D. Giardini, *Faster: Forecasting and assessing seismicity and thermal evolution in geothermal reservoirs*. https://www.pasc-ch.org/projects/2017-2020/faster, **2020**. Lead writer of extension proposal and contributor to the project scientific report. Extension granted.

[132] R. Krause, M. Jaggi, F. Del Grande, and S. Rizzo, *Exatrain*. https://www.pasc-ch.org/projects/2021-2024/exatrain/, **2021**. Scientific partner and proposal contributor.

[133] L. Mangani and P. **Zulian**, *Immersed methods for fluid-structure-contact-interaction simulations and complex geometries (snf 200021_215627)*, **2023**. Principal investigator of the USI part, co-principal investigator of the project. Submitted 2022, granted 2023, started 2024. Funded 754364 CHF (50% to group Zulian). Project partners: Rolf Krause, Diego Rossinelli, and KNF Flodos AG.

[134] K. Rolf and P. **Zulian**, *Utopia (developement, testing, and benchmarking)*, **2024**. Co-Principal investigator. One Year, 10 milion core hours on the Shaheen III supercomputer at KAUST, Saudi Arabia.

[135] P. **Zulian**, *Gpu based computational geophysics using utopia*, **2020**. Principal investigator. One Year, 20000 node hours, and 4 TB of storage. on the CSCS Piz-Daint hybrid supercomputer (Cray XC50).

[136] P. **Zulian**, *Simulation of creeping flows and structure interaction on terabyte size data*. https://www.usi.ch/en/university/info/srit/funding-opportunities/fondo-istituzionale-ricerca, **2023**. Fondo Istituzionale per la Ricerca (FIR). Università della Svizzera italiana.

[137] P. **Zulian**, E. Casartelli, and L. Mangani, *XSES-FSI: towards eXtreme scale Semi-Structured discretizations for Fluid-Structure Interaction (pasc)*, **2024**. Principal investigator. Funded 461000 CHF (50% to group Zulian). Project partners: Rolf Krause, Matteo Parsani, and KNF Flodos AG.