

simeon djambov

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education

❖ **ph.d. in mechanics** 2021–2025
Laboratory of Fluid Mechanics and Instabilities, EPFL Lausanne, SWITZERLAND

- Thesis title: “Gravity-driven thin films: flow and dissolution;”
- Thesis director: Prof. François Gallaire;
- Doc.Mobility: “Condensation on Soluble Substrates: a Path to Impact-less Linear Karren Formation” (MSC, S. Courrech du Pont, Feb–Aug 2024);
- Doctoral courses: Similarity and transport phenomena in fluids (C. Ancey, 2022);
Fourier analysis and boundary-value problems (A. Rinaldo, 2022);
- Summer schools: “Interfreeze” (Cargèse, Corsica, FRANCE, May 2023);
“Fluid Flow and Phase Change of a Solid” (Udine, ITALY, Jul 2022);
- Teaching assistant: ME-444 Hydrodynamics (F. Gallaire, 2023, 2025);
ME-466 Instability (F. Gallaire, 2023, 2024);
ME-446 Two-Phase Flows and Heat Transfer (F. Gallaire, 2022);
PHYS-106(d) Thermodynamics (S. Bréchet, 2022);
PHYS-101(d) Mechanics (P. Müllhaupt, 2021);
- Student supervisor: “Rayleigh–Taylor Instability of a Condensing Film on the Under-side of an Inclined Surface” (Semester, EPFL, 2024);
“Dissolution Fingerprint left by the Spreading of a Drop on an Inclined Soluble Substrate” (Master, Ecole Polytechnique, 2023);

❖ **m.sc. in physics** 2019–2021
Université Côte d’Azur Nice, FRANCE

- Internships: “Fingering Instability on a Sphere” (LFMI, F. Gallaire, Feb–Jul 2021);
“Impact-induced Cavitation” (INPHYNI, C. Raufaste, F. Celestini, Apr–Jul 2020);

❖ **b.sc. in physics** 2016–2019
Université de Bordeaux Bordeaux, FRANCE

- Internships: “Electric Double-layer Dynamics” (LOMA, A. Würger, May–Jun 2019);
“Turbulent Friction in 2D Rough-Walled Flows” (LOMA, H. Kellay, May 2018–Apr 2019);
“Femtosecond Laser Spectroscopy” (LOMA, J. Degert, May–Jun 2017);

❖ **highschool diploma** 2011–2016
French language Highschool “Alphonse de Lamartine” Sofia, BULGARIA

languages

bulgarian (native); french (fluent); english (proficient); german (elementary proficiency);

interests

piano (ABRSM, Grade 8), choir (CHUL), F. M. Dostoevsky, pétanque, sudoku, sailing, swimming;