

HOWARD UNIVERSITY

College of Engineering and Architecture

Department of Civil and Environmental Engineering

Short bio: Nikolai Priezjev received his Ph.D. in soft condensed matter physics from Brown University, Providence, RI in May 2002. Since 2023, he has been a faculty in the Department of Civil and Environmental Engineering at Howard University. Prior to this position, he was a faculty in the Department of Mechanical and Materials Engineering at Wright State University, Dayton, OH and in the Department of Mechanical Engineering at Michigan State University (2005-2013), and a Postdoctoral Research Associate in the Department of Chemical and Biological Engineering at Princeton University (2002-2005).

His research interests include processing of metallic glasses and polymers, thermal treatment of amorphous alloys, mechanics of porous glasses, microfiltration of oil-in-water emulsions, diffusion of Janus nanoparticles, slip boundary conditions for liquid flows over superhydrophobic surfaces, ice adhesion on nanostructured surfaces, and wetting properties of structured interfaces. The research projects are supported by the National Science Foundation and ACS Petroleum Research Fund. During his career, he has published over 80 papers in peer-reviewed journals, delivered about 120 presentations at various meetings and conferences, and supervised the research and education of three Ph.D. and three M.S. students.

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