Tamás A. Prileszky

Colloids and soft matter

Contact

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Profile

Chemical engineering Ph.D. student at the University of Delaware studying emulsions and colloid science. Experienced coach and exceptional student.

Education

University of Delaware
Ph.D., Chemical Engineering
August 2013–Present
GPA: 4.0/4.0

Colorado School of Mines
B.S., Chemical Engineering
August 2010–May 2013
GPA: 3.954/4.0
summa cum laude

Skills

Laboratory skills
Microfluidics, optical microscopy, confocal microscopy, rheometry, differential scanning calorimetry, photolithography, light scattering, particle processing, gas chromatography

Computer skills
Programming: *C++, Visual Basic, Java, MATLAB* Graphics: *Igor Pro, Origin, Illustrator, Photoshop*
Office: *Microsoft Office, LaTeX*
CAD: *AutoCAD, Certified Solidworks Associate*
Modeling: *COMSOL, Aspen*

Other skills
Four years German language

Research and experience

Furst research group, University of Delaware
Newark, DE **Nov 2013–Present**
Studying the formation of non-spherical structured emulsions in microfluidic devices, focusing on the assembly of hierarchical superstructures from individual anisotropic droplet building blocks and modifying emulsion droplets with surface-adsorbed and bulk particles. Research focuses strongly on the behavior of colloidal materials and the behavior of liquid interfaces. Mentored undergraduate students working on this and other projects.

Field session, Colorado School of Mines
Golden, CO **Jul 2012–Aug 2012**
Performed nine experiments ranging from distillation to heat exchanger operation. Led a group of three in three of the experiments, presented to a Ph.D. in chemical engineering or chemistry for five experiments, and prepared technical reports for four experiments. Elected by students as the outstanding student of field session.

Teaching experience

Teaching assistant, University of Delaware
Newark, DE **Aug 2014–Dec 2014**
Teaching assistant for 92 students in Process Control and Dynamics course. Planned and led weekly lectures in computer lab sections. Graded homework and lab assignments from lecture and computer lab. Held independent office hours.

Gymnastics coach
Gymnastika, Arvada, CO **Nov 2010–Jun 2013**
The Sundance Studio, Monument, CO **Sep 2006–May 2010**
Coached level 4, 5, and 6 team boys—intermediate, competitive levels—and recreational students in gymnastics and developed team skills and leadership abilities. Trained students of varying mental and physical ability, including handicapped children.

- 2009—level 4 boys won 1st in USA Gymnastics (USAG)—governing body for gymnastics in the United States—state competition, level 5 boys placed 3rd.
- 2009—level 4 boys won 3rd in USAG state competition.

Honors and affiliations

University of Delaware

Langmuir student poster award, 90th ACS CSSS	Jun 2016
87th Society of Rheology annual meeting poster competition, 3rd	Oct 2015
Robert L. Pigford Teaching Assistant Award	May 2015
American Chemical Society, Colloids Division member	Jan 2015–Present
Society of Rheology member	Oct 2014–Present

Colorado School of Mines

Outstanding Graduating Senior, chemical engineering	May 2013
Tau Beta Pi engineering honor society member	Oct 2011–Present
Anton Pegis and President's scholarships	Aug 2010–May 2013