

## Assoc. Prof. Cem Özgür Servantie

### Personal Information

Email: cservantie@itu.edu.tr

### Education Information

Doctorate, Universite Libre De Bruxelles, Fizik, Belgium 2003 - 2006

Postgraduate, Universite Libre De Bruxelles, Fizik, Belgium 2002 - 2003

Undergraduate, Universite Libre De Bruxelles, Fizik, Belgium 1997 - 2002

### Foreign Languages

English

French

### Academic Titles / Tasks

Assistant Professor, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Mühendisliği Bölümü, 2012 - Continues

Lecturer PhD, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2011 - 2012

Lecturer PhD, Georg-August-Universitaet Göttingen, Fen Fakültesi, Fizik Bolume, 2006 - 2008

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Shear thinning and thickening in dispersions of spherical nanoparticles**  
Küçüksönmez E., Servantie C. Ö.  
Physical Review E, vol.102, pp.126041-1260419, 2020 (Journal Indexed in SCI Expanded)
- II. **Statics and dynamics of polymeric droplets on chemically homogeneous and heterogeneous substrates**  
Ozturk O., Servantie J.  
PHYSICAL REVIEW E, vol.100, 2019 (Journal Indexed in SCI)
- III. **Molecular transport and flow past hard and soft surfaces: computer simulation of model systems**  
Leonforte F., Servantie J., PASTORINO C., MUELLER M.  
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.23, no.18, 2011 (Journal Indexed in SCI)
- IV. **Depth dependent dynamics in the hydration shell of a protein**  
Servantie J., Atilgan C., Atilgan A. R.  
JOURNAL OF CHEMICAL PHYSICS, vol.133, no.8, 2010 (Journal Indexed in SCI)
- V. **Hydrodynamic boundary condition of polymer melts at simple and complex surfaces**  
Mueller M., PASTORINO C., Servantie J.  
COMPUTER PHYSICS COMMUNICATIONS, vol.180, no.4, pp.600-604, 2009 (Journal Indexed in SCI)
- VI. **Flow, slippage and a hydrodynamic boundary condition of polymers at surfaces**  
Mueller M., PASTORINO C., Servantie J.  
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.20, no.49, 2008 (Journal Indexed in SCI)
- VII. **Temperature dependence of the slip length in polymer melts at attractive surfaces**  
Servantie J., MUELLER M.

- PHYSICAL REVIEW LETTERS, vol.101, no.2, 2008 (Journal Indexed in SCI)
- VIII. **Statics and dynamics of a cylindrical droplet under an external body force**  
Servantie J., MUELLER M.  
JOURNAL OF CHEMICAL PHYSICS, vol.128, no.1, 2008 (Journal Indexed in SCI)
- IX. **Transport and Helfand moments in the Lennard-Jones fluid. II. Thermal conductivity**  
Viscardy S., Servantie J., GASPARD P.  
JOURNAL OF CHEMICAL PHYSICS, vol.126, no.18, 2007 (Journal Indexed in SCI)
- X. **Transport and Helfand moments in the Lennard-Jones fluid. I. Shear viscosity**  
Viscardy S., Servantie J., GASPARD P.  
JOURNAL OF CHEMICAL PHYSICS, vol.126, no.18, 2007 (Journal Indexed in SCI)
- XI. **Rotational dynamics and friction in double-walled carbon nanotubes**  
Servantie J., GASPARD P.  
PHYSICAL REVIEW LETTERS, vol.97, no.18, 2006 (Journal Indexed in SCI)
- XII. **Methods of calculation of a friction coefficient: Application to nanotubes**  
Servantie J., GASPARD P.  
PHYSICAL REVIEW LETTERS, vol.91, no.18, 2003 (Journal Indexed in SCI)

## Citations

Total Citations (WOS):290

h-index (WOS):8