

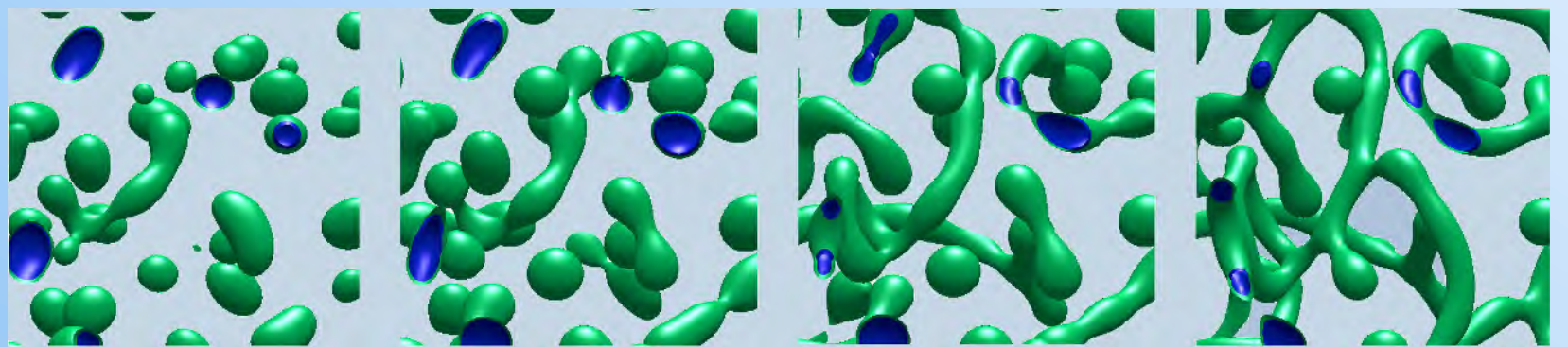


## **MICROSTRUCTURE: EVOLUTION & DYNAMICS**

A research workshop of the Israel Science Foundation

Technion, August 25-29, 2013

The goal of this summer school is to introduce young researchers and graduate students to the theory of microstructure evolution and dynamics. We will focus primarily on continuum phase field theory, and its relation to kinetic theory and atomistic details. Various aspects such as modeling, analytic theory, and numerical treatment will be emphasized, as well as applications of the theory, e.g. in the design of nanostructured electrodes for batteries or polyelectrolyte membranes for fuel cells.



N. Gavish, J. Jones, Z. Xu, A. Christlieb & K. Promislow, *Polymers* 2012.

### **MINI-COURSE LECTURERS:**

**Eric Carlen** (Rutgers University)  
**Craig Carter** (MIT)  
**Keith Promislow** (Michigan State University)  
**Brian Wetton** (University of British Columbia)  
**Jonathan Zimmer** (University of Bath)

### **OUTREACH LECTURERS:**

**Yoav Tsori** (Ben-Gurion University)  
**Ishi Talmon** (Technion)  
**Eugen Rabkin** (Technion)  
**Peter Sternberg** (Indiana University)



Organizers: **Nir Gavish & Amy Novick-Cohen** (Technion – IIT)

<http://cmssummer2013.net.technion.ac.il/>

