2018 CAP Congress / Congrès de l'ACP 2018



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Type: Invited Speaker / Conférencier(ère) invité(e)

Morphology of ion-conducting polymers (I)

Sunday 10 June 2018 11:00 (30 minutes)

We study the structure of novel polymers for proton and anion exchange membranes through a combination of experiment and simulations. X-ray and neutron scattering experiments reveal microphase separation and intermolecular order, and interpretation is validated by molecular dynamics (MD) simulations. These studies help us understand the conductivity and swelling of the materials, and inform development of new polymers.

Author: Prof. FRISKEN, Barbara (Simon Fraser University)

Presenter: Prof. FRISKEN, Barbara (Simon Fraser University)

Session Classification: Soft Matter Canada 2018 | Matière molle Canada 2018

Track Classification: Soft Matter Canada 2018