



Canadian Association
of Physicists

Association canadienne
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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.

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