Bin Wu

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Rensselaer Polytechnic Institute
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Education

Rensselaer Polytechnic Institute, USA	Nuclear Engineering		2009 – present
Tsinghua University, China	Engineering Physics	Ms.E	2009
Tsinghua University, China	Engineering Physics	B.E	2006

Professional Experience

2010,12 – present   Oak Ridge National Laboratory, Visiting Student
2010,9 - 2010,11   Pacific Northwest National Laboratory, Visiting Student

Research Synopsis

1. *Neutron scattering*

   We do neutron scattering experiments and rigorous data analysis to study structural and dynamical characteristics of soft matter, e.g. dendrimer, in solutions.

2. *Atomistic molecular dynamics simulation*

   We run atomistic molecular dynamics simulation to compare against experimental observation from neutron scattering. Via direct comparison between two aforementioned independent approaches, the merit of simulation can be verified by experiments and the experimental observation can be better interpreted with aid from simulation.