



Abstract ID : 143

Monday 17 Oct, 10:30

Recent and future developments in PDF-land

Simon Billinge

There are recently emerging powerful experimental developments related to atomic pair distribution function (PDF) method and total-scattering studies. At this workshop you will learn in detail about carrying out and applying PDF to your own scientific research, and there will be excellent tutorial talks on this. Therefore, in this talk I will focus on recent technological and methodological developments, and some that are in the pipeline, that are allowing ever richer science to be done. Examples include new spatial and time resolved capabilities and novel approaches to modeling. I will also talk about recent applications of PDF to scientific problems enabled by the new developments. I will also describe recent and upcoming developments in PDF analysis and modeling software that are under development in the group.

Primary author(s): BILLINGE, Simon (Columbia University + Brookhaven National Laboratory)