Agenda

WS2: Single crystal diffuse scattering data analysis workshop

Day 1: September 21, 2023 (Thursday)

8:00 AM – 9:00 AM ***Breakfast / coffee / pastries***

Morning Session (**Moderator** Feng Ye)

9:00 AM – 9:05 AM Introductory remarks, **Bryan Chakoumakos**

9:05 AM – 10: 00 AM "General Introduction of diffuse scattering", **Reinhard Neder**

10:05 AM – 11:00 AM "Mapping structural correlations in real space"**, Ray Osborn**

11:05 AM – 12:00 AM "Diffuse vs. Bragg Scattering: Understanding Structure Using 3D Pair Distribution Function Analysis"**, James Martin**

12:00 PM – 1:00 PM Lunch Break: Q&A for presenters, discuss software setup and tutorial preparation

Afternoon Session (**Moderator** Zach Morgan)

1:00 PM – 2:00 PM "Introduction to Discus", **Reinhard Neder**

2:00 PM – 3:00 PM "Diffuse scattering analysis Example", **Ella Schmidt**

3:00 – 3:10 PM Coffee Break

3:10 PM – 4:00 PM "Fragile 3D Order in V(1-x)Mo(x)O2", **Matthew Krogstad**

4:00 PM – 5:00 PM "Tutorial Examples for Discus", **Reinhard Neder**

5:30 PM – 8:00 PM Snacks and heavy hors oeuvres, "Postersession", **ALL**

Day 2: September 22, 2023 (Friday)

8:00 AM – 9:00 AM ***Breakfast / coffee / pastries***

Morning Session (Moderator Christina Hoffmann)

9:05 AM – 10:00 AM "Machine-learning assisted analysis of magnetic diffuse scattering" **Alan Tennant**

10:05 AM – 11:00 AM "3D-magnetic PDF, model free approach for magnetic diffuse scattering"**, Nikolaj Roth**

11:05 AM – 12:00 AM "Magnetic diffuse scattering analysis using Spinteract, Scatty, and spinvert", **Joe Paddison**

12:30 PM – 1:00 PM Lunch Break: Q&A for presenters, discuss software setup and tutorial preparation

Afternoon Session (Moderator Feng Ye)

1:00 – 2:00 PM "rmc-discord, software for diffuse scattering and correlated disorder", **Zachary Morgan**

2:00 – 3:00 PM Installation of software package, **Zachary Morgan/Joe Paddison**

3:00 – 3:10 PM Coffee Break

3:10 – 4:00 PM Tutorial examples, **Joe Paddison**

4:00 – 5:00 PM Tutorial examples, **Zachary Morgan**

5:00 – 5:30 PM Closing Remarks, **Bryan Chakoumakos**