EXAFS-50 Symposium, Oct. 30-31, 2023
Brookhaven National Laboratory
Organizer: Anatoly Frenkel (Stony Brook University/BNL). Administrator: Sarah Peters (BNL)

Oct. 30 (Monday)

9am: **Anatoly Frenkel** (Stony Brook/BNL) Introduction
9:10am: **John Gordon** (BNL), **Richard Reeder** (Stony Brook Univ.) Welcome

Session I. History and main ideas

Prof. Grant Bunker (IIT), Session chair

9:30am: **Steve Heald** (ANL –retired) "*Personal history of EXAFS*"
10:30am: **John Rehr** (University of Washington) "*Perfecting the Theory of XAFS*"

11:30am-1pm: group photo and adjourn for lunch

Session II. Current developments

Dr. Daniel Haskel (ANL), Session chair

1pm: **Grant Bunker** (Illinois Institute of Technology) *"Perspectives on XAFS"*
2pm: **Matthew Newville** (U. Chicago/APS/ANL) "*Development of EXAFS analysis software*"

3pm: Coffee break

3:30pm: **Alexei Kuzmin** (U. Latvia) "*Solving EXAFS puzzle using Reverse Monte Carlo simulations*"
4:30pm: **Gerald Seidler** (University of Washington) *"Lab-based XAFS"*

5:30pm: Adjourn

Oct. 31 (Tuesday)

Session III. Applications

Dr. Steve Heald (ANL, retired)

9am: **Shelly Kelly** (Argonne/APS) *"Advanced spectroscopies: XAS and XES"*
10am: **Daniel Haskel** (ANL) "*EXAFS vs other techniques for structural studies*"
11am: **Anatoly Frenkel** (SBU/BNL) "*Application of EXAFS to nanomaterials*"

12pm-1pm: Adjourn for lunch

Session IV. Quo Vadis?

Prof. John Rehr (UW)

1pm: **Joseph Woicik** (NIST) "*Some of our recent contributions to 50 years of XAFS*"
2pm: **Janis Timoshenko** (Fritz Haber Institute) *"Machine Learning methods"*

3pm: Coffee break

3:30pm: **Victor Krayzman** (NIST) "*EXAFS by itself and in good company*"
4:30pm: **Panel discussion** *"Quo Vadis?"*
5:30pm: **Anatoly Frenkel** (SBU/BNL) "Concluding remarks"
5:40pm: Adjourn