DRAFT

7th Annual SER-CAT Symposium March 19, 2010

7:45am   Buses Leave Doubletree Hotel for ORNL

Session 1: SER-CAT Science
Chair: Leighton Coates (Oak Ridge National Laboratory)

8:30 to 8:45   Welcome: Leighton Coates

8:45 to 9:30   **Keynote Speaker**: Biomass to Biofuels: overcoming Biomass
                       Recalcitrance. *(Brian Davison, Chief Scientist for Systems Biology
                       and Biotechnology, Oak Ridge National Laboratory)*

9:30 to 10:00   Allosteric modulation of Ras: a direct role for Q61 in catalysis
                       (Carla Mattos, North Carolina State University)

10:00 to 10:30   The mechanism of Ippase catalyzed phosphoryl transfer
                       (Ronny Hughes, University of Alabama at Huntsville)

10:30 to 11:00   Coffee Break

Session 2 SER-CAT Awards and APS Status
Chair: John Rose (University of Georgia and SER-CAT)

11:00 to 11:30   SER-CAT Outstanding Science Award Presentation and Talk
                       Structure of ERA in Complex with the 3' End of 16S rRNA:
                       Implications for Ribosome Biogenesis *(Xinhua Ji, Center for
                       Cancer Research, National Cancer Institute)*

11:30 to 12:00   APS Update: Funding, Operations and Future Plans
                       *(John Quintana, Advanced Photon Source, Argonne National
                       Laboratory)*

12:00 to 12:10   Group Picture

12:10 to 1:30   Boxed Lunch and Tour of SNS Facility

Session 3: Interesting Methods
Chair: Joe Ng (University of Alabama at Huntsville)

1:30 to 2:00	An Introduction to Small-angle Neutron Scattering for Structural Biology *(William Heller, Oak Ridge National Laboratory)*
2:00 to 2:30	The MDS Strategy: Collecting <u>M</u>ultiple <u>D</u>ata <u>S</u>ets with Short Exposures Can Produce Better Data Than Traditional Long Exposures Within a Fixed X-ray Dose. *(B.C. Wang, University of Georgia and SER-CAT)*
2:30 to 3:00	Single Crystal Neutron Diffraction at ORNL (Christina Hoffmann, Oak Ridge National Laboratory)
3:00 to 3:30	TBD
3:30 to 4:00	Coffee Break

Session 4: SER-CAT The Way Forward
Chair: B.C. Wang (*University of Georgia* and *SER-CAT*)

4:00 to 4:30	Update on SER-CAT Upgrades and Others *(John Chrzas, University of Georgia and SER-CAT)*
4:30 to 5:00	Single-Line-Command Driven UI's for Data Processing at SER-CAT *(Zheng-Qing (Albert) Fu, University of Georgia and SER-CAT)*
5:00 to 6:30	Poster Session with cash bar
6:30 to 9pm	Working dinner with lecture by Dean Myles (ORNL)
9pm	Buses depart for the Doubletree