

The 2008 Patterson Award to Bi-Cheng Wang

The **A. Lindo Patterson Award** was presented to **Bi-Cheng Wang**, Professor in the Department of Biochemistry and Molecular Biology and Ramsey/Georgia Research Alliance Eminent Scholar in Structural Biology at U. Georgia, for *significant contributions to the methodology of structure determination from single isomorphous replacement or single-wavelength anomalous scattering data and for its impact on structural biology*. B.C. accepted the award at the **Patterson Symposium** organized in his honor at the Knoxville ACA Meeting, where he gave the keynote address on *Resolution of Phase Ambiguity in Macromolecular Crystallography*. B.C. received his B.Sc. in Chemical Engineering in 1960 from National Cheng Kung University, Taiwan. He then entered the University of Arkansas (Fayetteville) and earned a Ph.D. in Chemistry in 1968 (Wally Cordes, advisor). B.C. and his new bride Johnna moved to Caltech in 1968 where he worked with Dick Marsh. In 1970, B.C. joined the University of Pittsburgh as a research associate and held various positions there and at the VA Medical Center in Pittsburgh. In 1986, he was appointed Professor in the Departments of Crystallography and Biological Sciences at U. Pittsburgh. In 1995, B.C. moved to the University of Georgia (UGA) as a Ramsey Georgia Research Alliance Eminent Scholar in Structural Biology. At UGA, B.C. organized institutions in seven southeastern states with the concept of building a synchrotron beamline at the APS in Chicago. In 1997, the plan became a reality with the start of the construction of the Southeast Regional Collaborative Access Team (SER-CAT) with B.C. as the Director. SER-CAT is now one of the most successful beamlines in the world. In 2000, B.C. became the director of the Southeast Collaboratory for Structural Genomics (SECSG), one of nine PSI-1 NIH centers. Many of the practical advances in the use of sulfur phasing for protein structures were accomplished during this period. In addition, B.C. was heavily involved in the ACA Summer School in Crystallography as co-director at Pittsburgh (1993-1996) and director at UGA (1997-2001). (See page 27 for a report on the Patterson Session.)



Top Photo: ACA President Marvin Hackert (left) and Bi-Cheng Wang.

From the left, in back: Marvin Hackert; Tony and Melissa Wang; Bi-Cheng and Johnna Wang; Joyce and Andy Wang; in front: Matthew Wang, Lucas Wang and Brianna Wang. Photos courtesy of Marvin Hackert and Youzhong Guo.

John Rose and Gary Newton



Radu Custelcean Receives 2008 Etter Award

The **Margaret C. Etter Early Career Award** was presented to **Radu Custelcean** by ACA President Marvin Hackert (at right) at the **Etter Award Symposium** during the Knoxville ACA Meeting. Radu is a Research Staff Member in the Chemical Sciences Division at Oak Ridge National Laboratory. The award citation praised him *for his creative research in crystal engineering of novel and functional metal organic framework structures for selective ion binding*. Radu's keynote lecture: *Manipulating Hydrogen Bonds in Crystalline Solids: From Etter's Rules to Anion Recognition* was very well received. (See page 5 of the spring 2008 ACA RefleXions for details about Radu's background and accomplishments, and see the report on page 26 on the Etter Award Symposium.)