

Individual Members in the ADSC (from the RSEC proposal)

C2a(vii). Individual Participants. The senior project participants (including the PI and co-PIs) will play the central role in the research (i.e., as research mentors) and/or educational (i.e., in instructional development and as course instructors) aspects of the proposal. Their names, affiliations, and major roles in this proposal follow:

- Alan Jircitano (Penn State Erie-The Behrend College, small molecule crystallography and crystallographic instruction)
- Alan Pinkerton (University of Toledo, co-PI, charge density studies)
- Allen Hunter (Youngstown State University, PI and Consortium Director, small molecule crystallography and crystallographic instruction)
- Bob Stewart (Carnegie Mellon University, theoretical basis charge density studies)
- Bryan Chakoumakos (Oak Ridge National Lab - HFIR, neutron diffraction)
- Bryan Craven (Indiana University of Pennsylvania, co-PI, charge density studies and crystallographic instruction)
- Cam Hubbard (Oak Ridge National Laboratory, materials crystallography under extreme conditions)
- David Grossie (Wright State University, small molecule crystallography and crystallographic instruction)
- Edward Zovinka (Saint Francis College, small molecule crystallography)
- Ewa Skrzypczak-Jankun (University of Toledo, protein crystallography and crystal growth)
- Gloria Borgstahl (University of Toledo, protein crystallography)
- Guy Crundwell (Central Connecticut State University, materials diffraction)
- Jeanette Krause-Bauer (University of Cincinnati, small molecule crystallography and crystallographic instruction)
- Jim Gano (University of Toledo, Ohio Crystallography Consortium Director and NLO materials)
- John Hughes (Miami University, diffraction analysis of minerals and crystallographic instruction)
- John Protasiewicz (Case Western Reserve University, small molecule crystallography)
- John Rosenberg (University of Pittsburgh, protein crystallography)
- Karen Magnus (Case Western Reserve University, protein diffraction studies and education)
- Katherine Kantardjieff (Cal. State Fullerton, protein crystallography and crystallographic instruction)
- Margaret Kastner (Bucknell University, small molecule crystallography and crystallographic instruction)
- Mark De Graef (Carnegie Mellon University, crystallographic instruction)
- Mark Foster (University of Akron, co-PI, polymer and materials diffraction)
- Menachem Shoham (Case Western Reserve University, co-PI, protein crystallography)
- Mike Hopkins (University of Pittsburgh, theoretical prediction of inorganic structures)
- Mike Nathal (NASA-Lewis, Chief of Advanced Metallic Division, materials diffraction)
- Mike Serra (Youngstown State University, free radical degradation of proteins and protein crystallography)
- Omar Steward (Duquesne University, small molecule crystallography)
- Partha Basu (Duquesne, small molecule crystallography)
- Sherri Lovelace Cameron (Youngstown State University, Coordinator of Minority Enhancement Programs)
- Shih-Chi Chang (Duquesne University, small molecule crystallography and crystallographic theory)
- Steven Geib (University of Pittsburgh, small molecule crystallography and crystallographic instruction)
- Tim Wagner (Youngstown State University, extended inorganic solids diffraction and crystallographic instruction)
- Vivien Yee (Case Western Reserve University and Cleveland Clinic Foundation, protein diffraction studies)
- Wiley Youngs (University of Akron, small molecule crystallography)
- Xiche Hu (University of Toledo, theoretical prediction of protein structures)

[Note: These individual all fit into the NSF categories “Other Senior Personnel, Auxiliary Personnel, and Other Personnel Having Exceptional Qualifications. However, in the interest of brevity of the overall proposal, we have only included Biographical Sketches and Current and Pending Support information on a *representative selection* of individuals, including several faculty from predominantly undergraduate institutions. This approach was verbally approved by Dr. Janet G. Osteryoung on November 17th, 1998.]

In addition to these senior project participants, about a dozen other experienced researchers in our region will have a more limited involvement in this proposal and about three dozen other individuals, at predominantly

undergraduate institutions in our region, have expressed their interest in participating in ADSC activities, as undergraduate faculty research participants and/or as participants in the 1st summer courses. In addition, a dozen other will be participating in consortium activities.