

Predrag S. Krstić

ADDRESS

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PRESENT POSITION

Senior Staff Scientist, Oak Ridge National Laboratory

PROFESSIONAL PREPARATION

City College, CUNY Physics Ph.D., 1981
Belgrade University Plasma Physics M.Sc., 1979
Belgrade University Technical Physics B.Sc., 1975
University of Connecticut Physics 1992-1995
Oak Ridge National Lab Physics 1995-1998

PREVIOUS APPOINTMENTS

1995 - 1998 Oak Ridge National Laboratory: Postdoctoral Fellow
1992 - 1995 University of Connecticut: Postdoctoral Fellow
1992 - 1995 U. Conn., U. New Haven, U. Hartford, Adjunct Prof. Phys.
1976 - 1992 Institute of Physics, Belgrade University: Staff Scientist,
Senior Staff Scientist, Professor in Physics

PUBLICATIONS:

More than 130 in refereed journals and books
Invited talks more than 40

SOCIETY MEMBERSHIPS AND RECOGNITIONS

American Physical Society (**Fellow, elected 2004**);
American Chemical Society; American Association of University Professors

SINERGETIC PROFESSIONAL ACTIVITIES

Consultant of International Atomic Energy Agency (IAEA), 1988-present
Member of Program Committee, Third International Conference on Nano-Giga
Challenge in Microelectronics, Phoenix, AZ (2007).
Chair, International Workshop on New Directions of Advanced Computer Simulations
and Experiments in Fusion-Related Plasma-Surface Interactions (PSIF), ORNL, March
2005;
Co-Chair of 3rd ICAMDATA (Gatlinburg, TN, 2002); XII SPIG (Sibenik, Yugoslavia,
1984); CDAMP (Brioni, Yugoslavia, 1988)
Member of Program Committees XII SPIG (1984), XIII SPIG (1986), CDAMP (1988);
Editor/Co-Editor of 4 books of Conference Proceedings

AWARDS

PI on joint IAEA-ORNL Coordinated Research Projects: Atomic and molecular data for fusion plasma diagnostics (2001-2005), and Atomic Data for fusion divertor modeling (1997-2000); on ORNL Seed LDRD Project Excited State Quantum-Classical Molecular Dynamic (ORNL, 2005-06); on joint IAEA- Institute of Physics (Belgrade) Coordinated Research Projects (1988-1990, 1990-1992) on atomic and molecular data for fusion; on joint USNSF-Yugoslav research projects (1986-1988,1989-1991) on strong laser-atom interactions;

Co-PI on a NIH funded project on Computational Methods for DNA Sequencing (2004-2007) (PI: J.W. Lee); on an ORNL LDRD project on Computational Molecular Electronics (2001- 2003) (PI: D. Dean); on an ARDA funded project on Molecular Photonic (2003-2005) (PI: M. Barnes).

Publication Awards, 1987, 1990, Institute of Physics of Belgrade University