

BIOGRAPHICAL SKETCH of PIROUZ PIROUZ

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Education: B.Sc., M.Phil. and Ph.D. 1966-1973: Department of Metallurgy and Science of Materials, Imperial College of Science and Technology, University of London, London SW7, England.

Technical Experience:

1990-Present: Professor, Department of Materials Science and Engineering, Case Western Reserve University, Cleveland, OH 44106, U.S.A.

1985-1990: Associate Professor, Department of Materials Science and Engineering, Case Western Reserve University, Cleveland, OH 44106, U.S.A.

1982-1985: College Lecturer in Physics, Corpus Christi College, University of Oxford, Oxford OX1 3PH, England.

1980-1985: B.P. Venture Research Fellow, Department of Metallurgy and Science of Materials, University of Oxford, Oxford OX1 3PH, England.

1978-1980: Visiting Scholar, Department of Materials Science and Engineering, Stanford University, Stanford, CA 94305, U.S.A.

1974-78: Assistant Professor, Department of Metallurgy, Faculty of Engineering, University of Tehran, Tehran, Iran.

1973-74: Post-doctoral Research Fellow, Laboratoire de Thermodynamique et Physico-Chimie Metallurgique, Ecole Nationale Supérieure d'Electrochimie et d'Electrometallurgie, Institut Nationale Polytechnique de Grenoble, 38402 St. Martin d'Herès, France.

Research Interests: Plasticity and fracture of semiconductors; Relation between electronic and mechanical properties of semiconductors and covalent ceramics; Contrast theory in conventional and high-resolution electron microscopy; Dislocation theory; Defects in semiconductors; Heteroepitaxial growth of wide bandgap semiconductors; Metal/ceramic and ceramic/ceramic interfaces; Fundamentals of epitaxy; Photovoltaic materials.

Professional Associations: Fellow of the Royal Microscopical Society, Member of the American Physical Society, Member of the Institute of Physics, Member of the Materials Research Society, Member of The Metallurgical Society.

Languages: English, French, Persian.

Publications: Over 250 refereed publications + 130 Invited talks since 1988

Awards:

Japan Society for the Promotion of Science (JSPS) Fellow; Tokyo Institute of Technology, May 1992.

Invited Researcher: Max-Planck Institut für Metallforschung, Stuttgart, Germany; Summers 1990, 1994, 1997.

Professeur Invité: Université de Paris - Sud, Orsay, France, Summer 1998.

Professeur Invité: Université de Poitiers, Poitiers, France, Summer 1999.

Professeur Invité: Université de Paul Sabatier, Toulouse, France, Summer 2001.

Visiting Professor, Department of Microelectronics, Royal Institute of Technology (KTH), Stockholm, Sweden. August 2001-August 2002.