

## **Dr. Bruce Doak**

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### **Education**

- June 1981      PhD, Massachusetts Institute of Technology, Cambridge, MA, USA with specialty in "Physics of Fluids"
- September 1975      M.Sc, Massachusetts Institute of Technology, Cambridge, MA, USA
- May 1973      B.Sc, Cornell University, Ithaca, NY, USA in Engineering Physics

### **Professional Career**

- Aug-1977 - Jul-1978      Aerodyne Research Inc., Bedford, MA, USA. Research scientist, senior staff (while MIT PhD student); US security clearance.  
Development of high power HF/DF lasers for orbital deployment
- Aug-1978 - Sep-1980      Max-Planck-Institut für Strömungsforschung, Göttingen, Germany. Pre-doctoral research fellow.  
Measurement of surface phonon dispersion curves by inelastic helium atom scattering
- Nov-1980 - Mar-1981      AVCO Everett Research Labs, Everett, MA, USA. Research consultant while finishing MIT PhD thesis. Development of high power HF/DF lasers for orbital deployment
- Jun-1981 - Mar-1982      Max-Planck-Institut für Strömungsforschung, Göttingen, Germany. Post-doctoral research fellow.  
Measurement of surface phonon dispersion curves by inelastic helium atom scattering
- Apr-1982 - Aug-1991      AT&T Bell Laboratories, Surface Physics Research Department.  
Principal Investigator
- Sep-1991 - Dec-2013      Arizona State University, Department of Physics, Tempe, AZ.  
Full, tenured professor
- Oct-2012 - Oct-2013      Sabbatical visit to Max Planck Institute for Medical Research, Heidelberg, Germany. Marie Curie International Incoming Fellowship, FP7-PEOPLE-2012-IIF
- Jan-2014 -      Max Planck Institute for Medical Research, Heidelberg, Germany.  
Independent group leader position under a special grant from the President of the Max-Planck-Gesellschaft, Prof. Dr. Peter Gruss

### **Awards and Elected Memberships**

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| 1978 | Student Fellowship, Deutsche Akademische Austauschdienst  |
| 1980 | Otto-Hahn-Medallion of the Max Planck Society   |
| 1994 | Senior Fellowship, Deutsche Akademische Austauschdienst   |
| 1998 | Fulbright Senior Fellowship and Visiting Professorship, Ruhr-Universität Bochum                                     |
| 2001 | Senior Fellowship, Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, Sendai, Japan |
| 2012 | ASU Faculty Achievement Award: “Defining Edge Research/Creative Activities”   |
| 2012 | Marie Curie International Incoming Fellowship, FP7-PEOPLE-2012-IIF  |