Dr. Berend (Berry) T. Jonker is a Senior Scientist and Head of the Magnetoelectronic Materials & Devices section in the Materials Science & Technology Divison at the Naval Research Laboratory, Washington, DC. His current research focuses on semiconductor spintronics, including electrical spin injection and transport in semiconductors, and the fabrication and development of prototype spintronic devices. His work also addresses the epitaxial growth and study of ferromagnetic semiconductors, a class of materials which combine both ferromagnetic and semiconducting properties with the potential for new device functionality. Berry obtained his Ph.D. in solid state physics / surface science from the University of Maryland in 1983 in the area of thin film quantum size effects. He came to NRL as a National Research Council Postdoctoral Associate in 1984, and became a staff member in 1986, where he began work on lowdimensional magnetism in epitaxial magnetic metal films and superlattices, and on spindependent carrier localization in semiconductor heterostructures. He has co-authored approximately 180 refereed publications and presented 85 invited talks. Berry is a Fellow of the American Physical Society and of the AVS Science & Technology Society, and an Adjunct Professor at the State University of New York, Buffalo. He has served as co-organizer for the APS Focus Topics Magnetic Nanostructures & Heterostructures (1999) and Spin-Dependent Phenomena in Semiconductors (2004), and as program or conference chair for several magnetism and spin-related conferences, including SpinTech II (Belgium, 2003). He has recently served on the AIP Steering Cmte for Magnetic Materials, and as a committee member for Emerging Research Devices & Materials for the 2005 and 2009 International Technology Roadmap for Semiconductors.