

# Letters

---

## Corrections to "Jet Propulsion Laboratory/NASA Lewis Research Center Space Qualified Hybrid High Temperature Superconducting/Semiconducting 7.4 GHz Low-Noise Downconverter for NRL HTSSE-II Program"

D. L. Rascoe

In order to give all coauthors the proper credit that they deserve, and acknowledge more completely their contributions to the above paper,<sup>1</sup> several people are indicated in the biographical profiles below who should be added as co-authors. As senior manager of this project at the Jet Propulsion Laboratory, I accept responsibility for this error in both judgment and careful editing. I also wish to apologize, publicly, to the group for any embarrassment or difficulty that this exclusion has caused them, personally.

**Jeffrey B. Barner** received the B.A. degree in physics, mathematics, and economics from Wabash College, Crawfordville, IN, and the M.S. and Ph.D. degrees in physics from the University of Notre Dame, South Bend, IN, in 1983, 1987, and 1990, respectively.

From 1989 to 1991 he was a Post-Doctoral Fellow at the Bell Communications Research center in Red Bank, NJ, where he worked on high-temperature superconducting films, SNS devices, and microwave devices for the HTSSE I experiment. He was also involved with fabrication and measurement of the first a-axis SNS trilayer devices. Since 1991, he has been a member of the technical staff in the Superconducting Materials and Devices Group in the Space Microelectronics section at the Jet Propulsion Laboratory, California Institute of Technology, Pasadena, CA, where his work has focused primarily on the fabrication and testing of edge SNS devices made from high-temperature superconductors.

**Wilbert Chew** received the Ph.D. degree from the University of California, Los Angeles (UCLA), where he developed a millimeter-wave integrated quasi-optical FET mixer and an array of FET mixers used in imaging and ranging demonstrations.

He has worked at the Hughes Aircraft Company on modeling and systems analysis of infrared imaging systems, and at the Jet Propulsion Laboratory, California Institute of Technology, Pasadena, CA, on microwave applications involving antenna arrays, high-temperature superconductors, MMIC's, and power amplifiers. He is currently at the Hughes Space and Communications Company, El Segundo, CA.

**Marc C. Foote** received the Ph.D. degree in experimental solid state physics from the University of Illinois, Urbana, IL, in 1988. He is currently working at the Jet Propulsion Laboratory, California Institute of Technology, Pasadena, CA, where he has been involved with the development of high-temperature superconducting materials and devices, as well as development of infrared detector arrays using superconducting and thermoelectric materials.

**Brian Hunt** received the Ph.D. degree in applied physics from Cornell University, Ithaca, NY, in 1984.

He worked for three years at the General Electric Corporate Research and Development Laboratory, where he investigated the application of Si molecular beam epitaxy to the growth of epitaxial silicide/Si heterostructures and devices. After arriving at the Jet Propulsion Laboratory, California Institute of Technology, Pasadena, CA, in 1987, he initiated the high-temperature superconductor thin-film devices program and served as Group Leader of the High  $T_c$  Superconductivity Group in the Microdevices Laboratory. In 1994, he joined the Westinghouse Science and Technology Center (now Northrop Grumman STC), Pittsburgh, PA, where he is involved in studies of HTS devices and circuits, and has fabricated high-quality HTS SNS junctions integrated with groundplanes using a variety of doped-YBCO normal metals.

Dr. Hunt was awarded the Lew Allen Award for Excellence in 1991, and in 1994 he received the NASA Exceptional Engineering Achievement Award. In 1996, he was promoted to Fellow Scientist, and has authored or co-authored over 70 scientific papers.

**Richard P. Vasquez** received the B.S. degree in chemistry from the California Institute of Technology, Pasadena, CA, in 1977, and the Ph.D. degree in materials science from the University of Southern California, Los Angeles, CA, in 1986.

He has been at the Jet Propulsion Laboratory, California Institute of Technology, Pasadena, CA, since 1979, and since 1993 he has been Technical Group Supervisor of the Superconducting Materials and Devices Group. His current research interests include the materials properties and applications of high-temperature superconductors and magnetic oxides.

Manuscript received December 23, 1996.

The author is with the Jet Propulsion Laboratory, California Institute of Technology, Pasadena, CA 91109 USA.

Publisher Item Identifier S 0018-9480(97)02539-8.

<sup>1</sup>H. H. S. Javadi, J. G. Bowen, D. L. Rascoe, R. R. Romanofsky, C. M. Chorey, and K. B. Bhasin, *IEEE Microwave Theory Tech.* vol. 44, no. 7, pp. 1279–1288, July 1996.