

Randall M. German, Associate Dean

rgerman@mail.sdsu.edu

Phone: 619-594-7006

Professor German's research and teaching deal with the net-shape fabrication of engineering materials via sintering techniques as used in powder metallurgy, cemented carbides, and ceramics. His appointments have included the following:

- **Associate Dean of Engineering, Professor of Mechanical Engineering**, San Diego State University (2008 on), 5500 Campanile Drive, San Diego, California 92182-1326
- **Chaired Professor of Mechanical Engineering and Director of the Center Advanced Vehicular Systems**, Mississippi State University (2005-2008)
- **Brush Chair Professor in Materials and Director of the Center for Innovative Sintered Products** at Penn State University (1991-2006)
- **Hunt Professor of Materials Engineering**, Rensselaer Polytechnic Institute (1980-1991)
- **Director of Research**, J. M. Ney Co., Bloomfield, CT (1978-1980)
- **Director of R&D**, Mott Corp., Farmington, CT (1977-1978)
- **Staff Member**, Sandia National Laboratories, Livermore, CA (1969-1977)
- **Materials Scientist**, Battelle Columbus Laboratories, Columbus, OH (1968-1969).



Rand obtained his PhD from the University of California at Davis (1975), following an MS degree in Metallurgical Engineering from The Ohio State University (1971) and an honor's BS degree in Materials Science and Engineering from San Jose State University (1968). He has been given distinguished alumnus awards from all three schools. In addition he completed a management science program at the RPI's Hartford Graduate Center and an intensive academic management program at Harvard University.

He has an honorary doctorate from the University Carlos III de Madrid. In addition, he is a Fellow of the American Society for Metals and Fellow of American Powder Metallurgy Institute. His awards include the Tesla Medal, Nanyang Professorship, Japan Institute for Materials Research Lectureship, Penn State Engineering Society Outstanding Research Award and Premiere Research Award, Distinguished Research Award from the Japan Society for Powder Metallurgy, University of California at Davis Distinguished Engineering Alumni Award, The Ohio State University Distinguished Engineering Alumnus Award, San Jose State University Award of Distinction, Technical Development Award from the Japan Institute of Metals, Honorary Member of Alpha Sigma Mu, Society of Automotive Engineers Teetor Award, Honorary Professorship at Northeast University of Technology, RPI Early Career Award, Geisler Young Metallurgist Award, Kuczynski Prize, and Samsonov Prize. He is listed in several *Who's Who* and serves as an editor or key reader for more than 20 journals. He has been involved in 12 start-up companies, has held a several director positions, including two terms with APMI, and served on the Fellows Awards Committee of two professional societies. He headed 19 chaired professor searches. Rand is currently on the board of directors of International Nontoxic Composites and Allomet, and serves on the Technical Advisory Board for Pangaea Ventures.

Professor German has supervised 100 theses, published over 900 articles and 25 patents, and authored 15 books, including *Mathematical Relations in Particulate Materials Processing* (2008), *Powder Metallurgy and Particulate Materials Processing* (2005), *Liquid Phase Sintering* (1985), *Sintering Theory and Practice* (1996), and *Powder Injection Molding - Design and Applications* (2003). He edited 19 books and co-chaired more than 30 conferences.