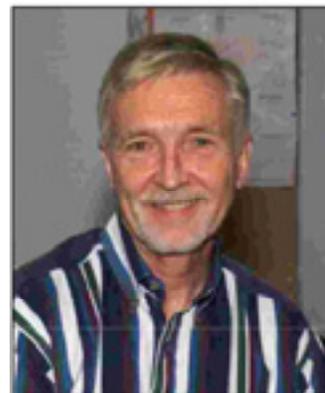


# T<sub>C</sub>SUH Special Seminar

Texas Center for Superconductivity at the University of Houston

## Dr. Donald Gubser

Superintendent, Materials Science and Technology Division  
Naval Research Laboratory (NRL), Washington, D.C.



**Wednesday, March 28, 2007**

Room 102, University of Houston Science Center

11:00 a.m. – 12:00 N

## “Materials Science and Technology at the Naval Research Laboratory”

### Abstract

A brief introduction to the Naval Research Laboratory will be given, followed by an overview of materials research topics under investigation at NRL. Topics included will be Superconductivity, Acoustic Transduction Materials, Quantum Spin Electronics, Nanocrystals, 3D Materials Visualization, Fracture Simulations, Materials Integration, and Thoracic Surrogate Materials.

### Brief Bio

Dr. Donald U. Gubser is Superintendent of the Materials Science and Technology Division at the Naval Research Laboratory (NRL). His division conducts basic and applied research in materials science, from the atomic level through nanostructures, microstructure, macrostructure, to component development in both functional and structural materials. Dr. Gubser has responsibility for administration oversight, personnel and program management, equipment and facility control, providing research guidance and direction, and ensuring the scientific integrity of the research. He entered the SES service in December, 1987 and has served for 39 years in the civil service at the NRL. He was graduated from the University of Illinois (Ph.D Physics, 1969) and has been employed at NRL for his entire professional career. Dr. Gubser's scientific training and personal research has been in superconductivity, magnetism, solid state physics, and cryogenic properties of materials. In 1983 Dr. Gubser received the Naval Meritorious Service Award for his scientific leadership and research accomplishments, and in 1992 he received the Senior Executive Service Meritorious Service Award for excellence in science management. Dr. Gubser is active professionally, having served on several external advisory committees and national scientific study panels. He has taught at both the George Washington University and The Catholic University in Washington, D.C. Dr. Gubser is a Fellow in the American Physical Society (APS), past chairperson of the Division of Condensed Matter Physics of the APS, an officer in the International Cryogenic Materials Conference Board, and in the Applied Superconductivity Conference. He was the IEEE Council on Superconductivity's Distinguished Lecturer of the Year (2003/4). He may be reached at [gubser@anvil.nrl.navy.mil](mailto:gubser@anvil.nrl.navy.mil).

*Persons with disabilities who require special accommodations in attending this lecture should call (713) 743-8210 as soon as possible.*



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