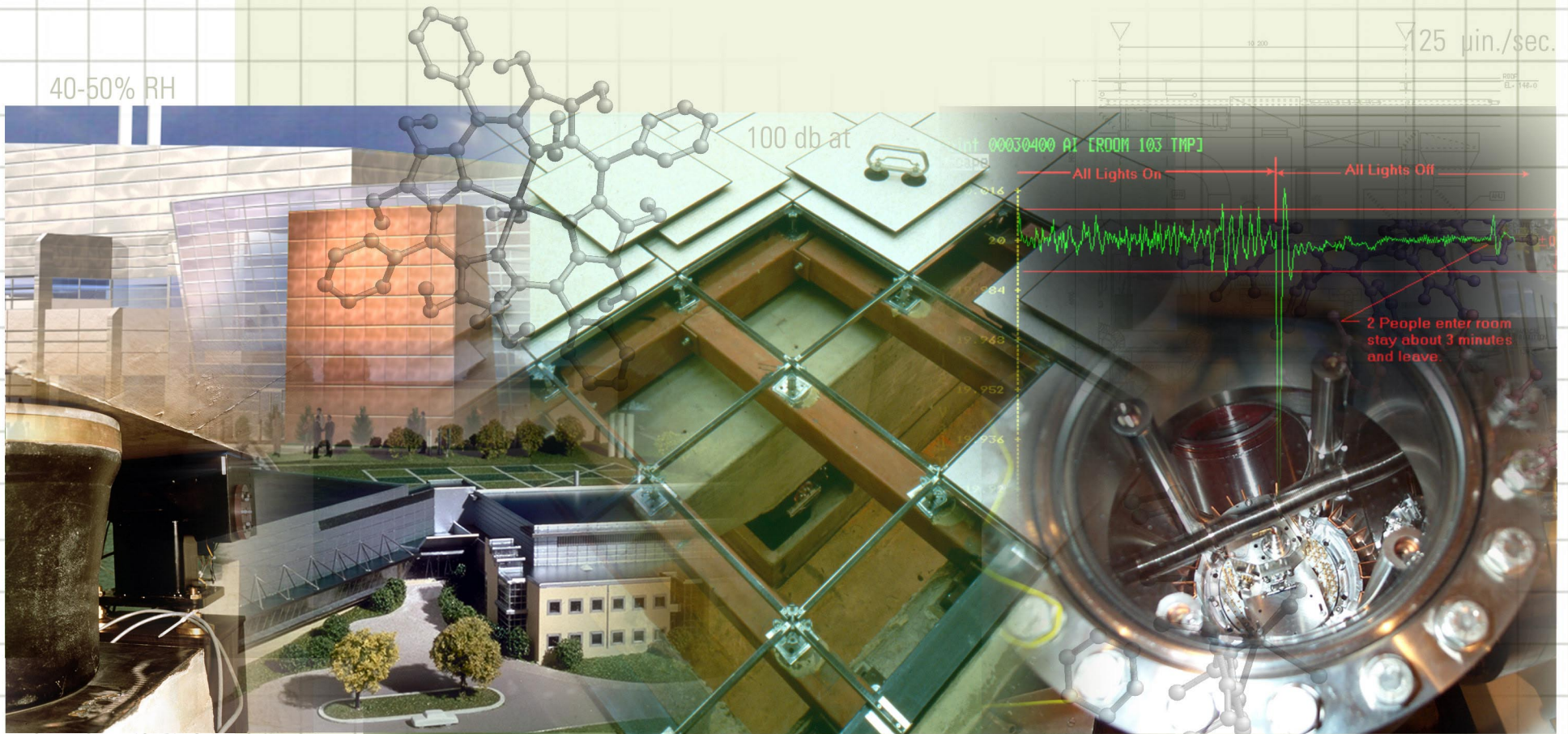










BUILDINGS for ADVANCED TECHNOLOGY WORKSHOP

NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY
GAITHERSBURG, MARYLAND USA JANUARY 14-16, 2003



"Buildings for Advanced Technology" is a three-day workshop occurring at the National Institute of Standards and Technology (NIST) campus in Gaithersburg, Maryland. Organized in part under the National Nanotechnology Initiative (NNI), the purpose of the workshop is to elucidate issues related to designing and constructing facilities that support advanced technologies such as **nanoscale research, high-accuracy metrology, semiconductor fabrication, and biotechnology**. The workshop focuses on technical factors to consider in the design and construction of advanced technology facilities demanding minimal influence from external and internal disturbances.

The workshop sessions are organized into the following topics:

-  Introduction and overview
-  Temperature and humidity control
-  Air cleanliness (particulate & chemical contamination)
-  Electro Magnetic Interference (EMI) and Radio Frequency Interference (RFI)
-  Vibration control
-  Acoustics and pressure variations
-  Electrical power conditioning
-  Systems integration

Each of the technical sessions consists of four invited presentations that will include two speakers focusing on technical aspects of the environment from the building and instrument perspectives, and two speakers addressing case studies from the perspective of a user/researcher or equipment manufacturer.

Contributed papers are invited and encouraged. The program also includes a poster session with a dedicated timeslot for selected participants to present their contributed papers. Space will be provided so that posters may be displayed for the duration of the workshop.

WHO SHOULD ATTEND?

The workshop addresses technical topics associated with the design and construction of advanced technology facilities. It is designed to provide scientists, technologists, end users, facilities staff, architects, engineers and builders with a broad knowledge base of the complexities of such facilities.

For more information about the workshop and to register online, please visit our website:

www.NANOBUILDINGS.COM

If you have any questions, please call us at +1 (703) 518-8679 or email us at bat@NANObuildings.com

SPONSORED BY:

NIST
National Institute of
Standards and Technology
Technology Administration
U.S. Department of Commerce

**NATIONAL
NANOTECHNOLOGY
INITIATIVE**



HDR

**COLIN
GORDON
&
ASSOCIATES**

[measurements, standards, technology]

[nanotechnology leadership]

[research & development]

[architecture / engineering]

[vibration / acoustics]