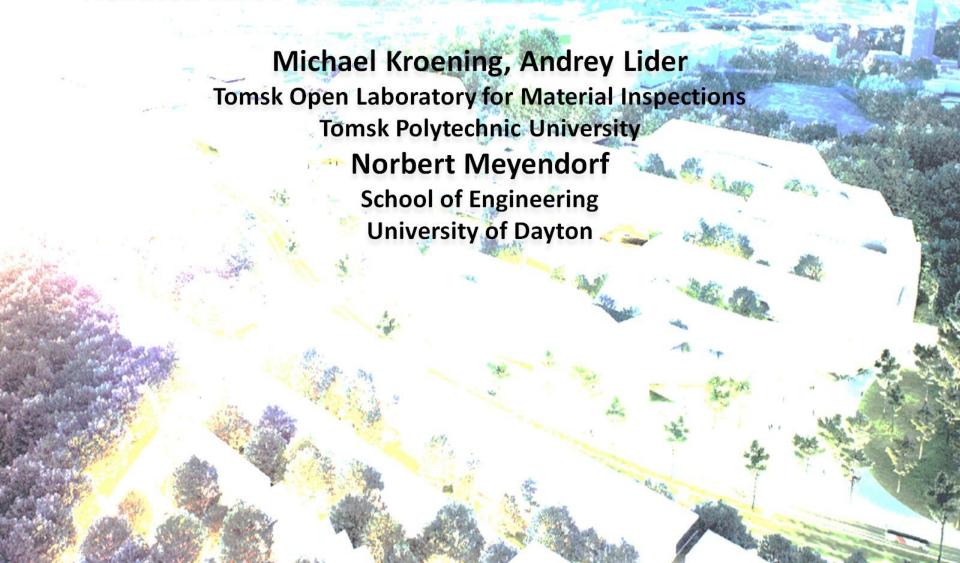
DEMAND DRIVEN EXCELLENCE OF SCIENCE

Nondestructive Testing – a cross-frontier scientific challenge





SELF-ORDERING SCIENCE

How to manage directed science along the added value chain?



or

The Modern Challenge of Science



NDT - Applied Science Crossing Frontiers

RESEARCH & DEVELOPMENT

APPLICATIONS

GLOBAL DIMENSION

MEASUREMENT PHYSICS

SYSTEM ENGINEERING

KNOWLEDGE & MARKETS

Applied Mathematics
Sensor Physics
Computing
Signal & Image Processing

New Methods System Design Validation Instruments Education
Cohesion of Codes
Technical Support
Market Access

Instruments
Robotics
Automation
Material Characterization

Quality Control
Process Performance
Maintenance
Life Time Assessment

Producer Liability
Plant Engineering
Bringing into Service
Maintenance

Asset Management Security
Structural Reliability



NDT – Scientific Excellence

Nobel Prize for Physics 1986:

Gerd Binnig, Heinrich Rohrer IBM Research Zürich

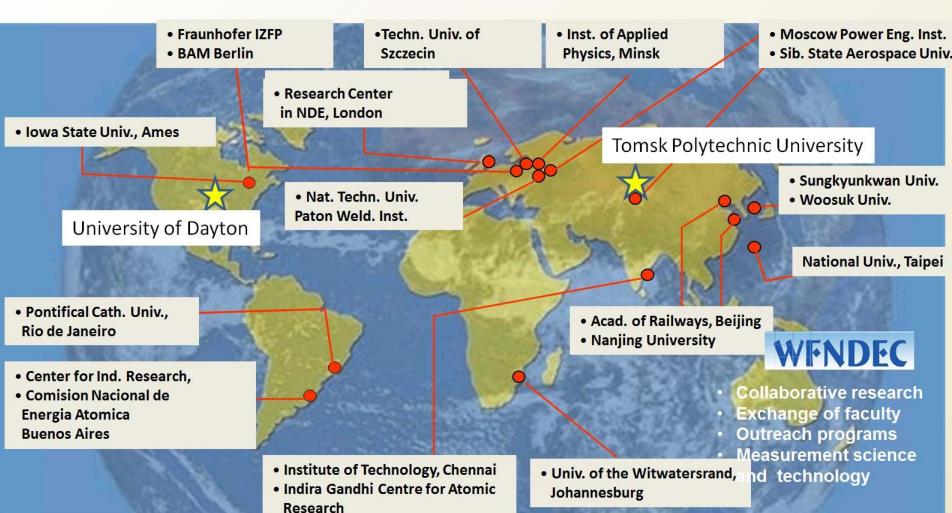
"Scanning Tunneling Microscope"

Health Monitoring
"Nano Agents"
"Real-Time Flaw Imaging"
"Nano-NDT"

Process Monitoring
"Process Integrated Sensors"
"Distributed Systems"
"Reliability Engineering"



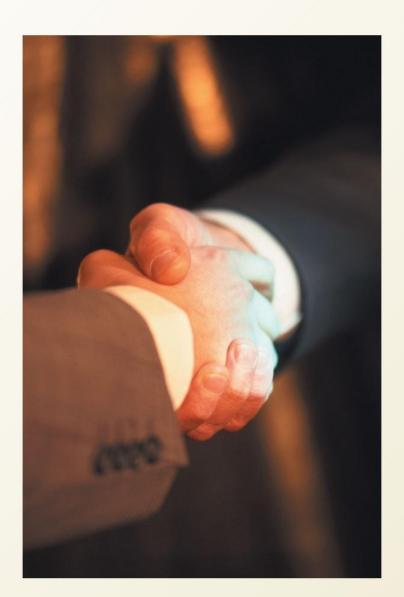
NDT – a Global Partnership





THANK

NDT – a proposal for SkTech



YOU

2nd SkTech Research Center Proposers Conference, July 9-10, 2012