

Mechanical Engineering Fall 2007 Seminars

Wednesday, October 24, 2007

4:00 PM – 5:00 PM

ROOM: 224 MEC

How Green is My Univesity?

**Mr. Boris Shapiro
Mechanical Engineering Department
New Jersey Institute of Technology
Newark, NJ**

ABSTRACT

Energy Related Projects in New Jersey Institute of Technology

- Developed and implemented Energy Conservation Program .
- Provided Design, development and acceptance criteria for new DDC and EMS systems installation and programming in 26 Buildings.
- Organized, Designed and Completed installation of DDC Control System
- Conducted Campus wide lighting replacement program
- Implemented Facility Control system with 1223 computers, 38 Routers and 4 miles of network that operate 26 Buildings
- Managed conceptual design and implemented 48 Sustainable projects in the Campus center
- Proposed and justified NJIT compressed week Summer Schedule that has decreased greenhouse effect by 8,573 Ton of carbon dioxide emissions, resulting from lowered NJIT energy use and reduced commuting to NJIT.

Biography

Boris Shapiro is an Executive Director of Technical Services at the Physical Plant, NJIT. He received his Masters Degree in Industrial Management in NJIT, School of Management and Master Degree in Mechanical Engineering in Institute of Chemical & Mechanical Engineering. Moscow, Russia. He served on the board of Directors of N.J. Association of energy engineers, currently he is a member of the Technical Team at New Jersey Higher Education Partnership for Sustainability, Member of Association of Energy Engineers, and Member of Demand-Side Management Society. Boris received Energy Manager of the Year" award from Association of Energy Engineers, as a result of his efforts NJIT received Green Award in NJ Higher Education Outstanding Design and Practices for Environmental Sustainability

As a head of the University's Department of Technical Services, Boris provides general management, develops policies, budgets and direct programs for all activities involving the NJIT Technical Services at Physical Plant. Boris provides supervision, and professional direction to a comprehensive facilities management organization providing services to the academic and administrative divisions of NJIT.

Mr. Shapiro exercises management responsibilities over the facility operations of approximately 2.6 million square feet, 26 of both state and non-state funded buildings, 40 acres of land, and service for over 8,500 students and 1200 faculty and staff personnel. NJIT Physical Plant determine, design and develop the necessary requirements to provide maximum equipment efficiencies and facilities operation at the minimum cost by setting up appropriate procedures and services for buildings control and maintenance.

For More Information Contact: Dr. Ernest Geskin (973) 596-3338, geskin@njit.edu