



CoCo Seminar Series Fall 2022

Smart Cities – Cities of the Future

Dr. John Fillo
Professor Emeritus, Mechanical Engineering
Binghamton University

Wednesday September 28, 2022
12:00-1:00pm EDT
Hybrid (EB-T1 & Zoom; meeting link available on
<http://coco.binghamton.edu/>)



Major technological, economic and environmental changes are taking place worldwide, although not uniformly. We see economic restructuring, for example, the move to online retail and entertainment. Aging populations, yet the young require attention and services. Pressures are being placed on public finances as a result of aging cities. There is major urban population growth. To address these issues various urbanization models have been developed, quite often identified as “smart city” models. The key to smart city models have to do with electronic data collection sensors that collect information from citizens, devices, homes, industries and city infrastructure. The aim is to provide better city governance and to improve city life for the individual. The smart city model will be discussed, along with worldwide smart city examples.

Dr. John Fillo is a Professor Emeritus in the Department of Mechanical Engineering at Binghamton University. He obtained his PhD in Mechanical Engineering at Syracuse University. He taught at the University of Massachusetts Amherst and the University of Texas El Paso. He later worked at the Brookhaven National Laboratory for 10 years in the area of fusion energy research. After leaving Brookhaven, he became the founding chair of the Department of Mechanical and Industrial Engineering in the Watson College, followed by appointments as the Associate Dean for Research and Associate Dean for Academic Affairs. After serving as the chair for the Department of Bioengineering, he is now associated with the ES2 Data Center research group. He continues to teach in the energy area and develops courses in continuing education.

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