

CIUS

CUNY Institute for Urban Systems

A Catalyst for the next generation of urban infrastructure, addressing new technologies, institutional change and innovative financing to advance city life.

CUNY Institute for Urban
Systems

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THE CUNY INSTITUTE FOR URBAN SYSTEMS

Transportation, water, energy, and communication-these infrastructure systems have supported New York City's position as a world capital in business, media, and the arts. Now these systems are now showing signs of strain, threatening our ability to meet the demands for further growth, change, and even maintenance of our present economy. The near future will necessitate significant infrastructure investment. Three major forces will influence the next generation of investment:

TECHNOLOGY: A host of new communications technologies will create more centralized control and more real-time information to be used by infrastructure managers and users.

INSTITUTIONS: Use of real-time information will change infrastructure institutions and will place information technology operators in a central position within those agencies.

FINANCE: Modernization and capital expansion demanded by new technologies and institutional change will call for new methods of financing, which itself will impact infrastructure institutions.

CRUCIAL ISSUES

How do technological, institutional, and financing changes produced by the new generation of infrastructures affect

- * **regional land use, economic development, and global competitiveness**
- * **social and personal equity, the environment, and quality of life**
- * **the existing workforce?**

How does technology change the design and use of the infrastructure, and how do consumers react to these changes?

How can the institutions that plan and manage urban-systems change, best incorporate rapid technological and cultural changes?

How can infrastructure managers meet the needs for expansion while investing in the next generation of technology?

What must be done to educate the next generation of workers?

DIRECTORY

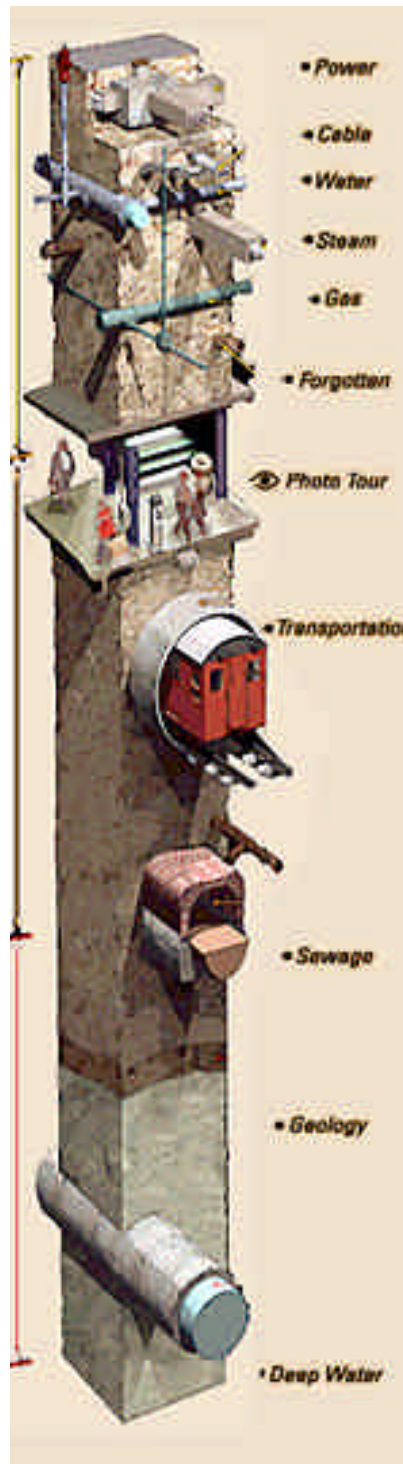
CUNY is a natural home for the Institute. The Institute's Board of Directors is composed of distinguished faculty from a number of CUNY campuses. With strong schools of engineering and architecture, and noted programs in urban planning, law and management, CIUS is linking academic and business to provide solutions to the problems of aging infrastructure.

WHO WE ARE

The CUNY Institute for Urban Systems (CIUS) focuses on issues and problems related to "infrastructure." Its themes include; integration of new technologies, the roles of institutions and the growing problems of revenue and finance. CIUS has as its primary goal the shaping of these forces and their impacts, while simultaneously providing leadership through policy advisement and practice.

The Institute is a timely and important unit of City University of New York. CIUS addresses pressing issues of land use, mobility, infrastructure needs, quality of life and sustainability, from both an academic and applied perspective using multi disciplinary academic methods

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WHAT WE DO

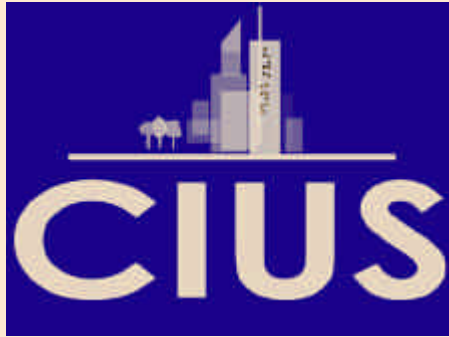
RESEARCH: CIUS is researching current investment in infrastructure and how it is affected by new technology, institutional change and innovative financing.

Under the guidance of distinguished faculty, CUNY graduate and undergraduate students conduct research and participate in the work of the Institute, which enriches their academic experience, preparing them for careers in urban planning, transportation management, infrastructure financing and other related fields.

EDUCATION / TRAINING: In addition to research, an integral CIUS objective is to provide education and training for new infrastructure professionals. This objective will be achieved in two ways:

1) **academic programs** to prepare students, from certificate programs to four-year degree programs,

2) **infrastructure training** through professional development programs to aid employers train or retrain both management and labor.



Participating Institutions:

CITY COLLEGE

HUNTER COLLEGE

JOHN JAY COLLEGE

NEW YORK CITY TECHNICAL COLLEGE

QUEENS COLLEGE

YORK COLLEGE

CUNY GRADUATE CENTER

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