



Hoboken

Single Day Event

July 18th 2019

Stevens Institute of Technology, Hoboken

**Artificial Intelligence and
the Digital Transformation
of Healthcare**





STEVENS
INSTITUTE *of* TECHNOLOGY
THE INNOVATION UNIVERSITY®

Welcome

Dr. Gregory Prastacos, Dean
Stevens Institute of Technology
School of Business



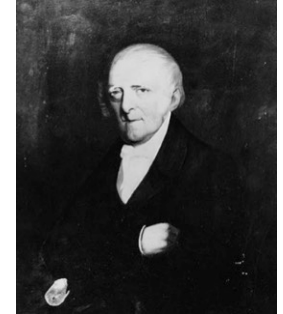
Legacy of Innovation

The Stevens family: The first family of American inventors

- Introduced the first Mechanical Engineering degree in the U.S.
- Designed the steam ferry, the T-rail, and the first American-built steam locomotive
- Built and operated the first U.S. commercial railroad
- Instrumental in developing U.S. patent law
- Created the America's Cup racing series and designed and sailed the yacht *America*, the first winner of the Cup



Edwin A. Stevens



Colonel John Stevens III



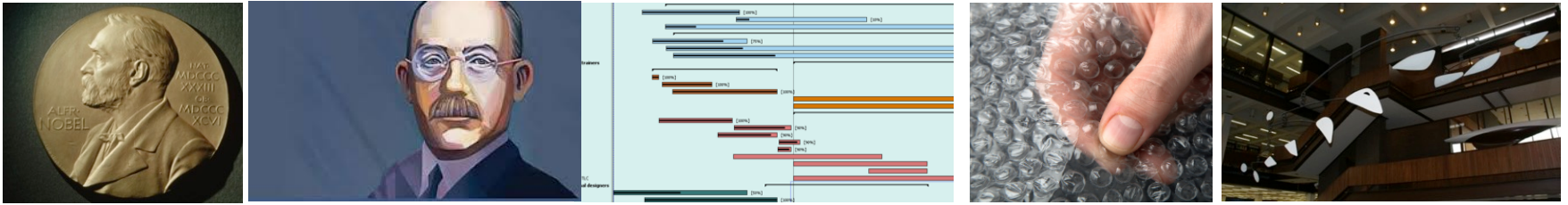
The yacht *America*



John Stevens' original steam carriage

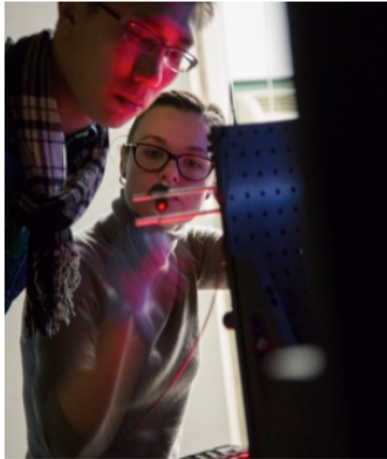
Once and Future Pioneers

Stevens alumni have followed in the footsteps of the university's founding family to become modern-day game-changers:



- Frederick Taylor created the field of **scientific management**
- Henry Gantt invented the Gantt Chart for **project management**
- Co-founded companies such as General Motors and Texas Instruments
- Won a **Nobel** Prize for discovering the neutrino, a key component of the Big Bang theory; plus 2 more **Nobel** prize winners
- Directed command, service and lunar module design for NASA's **Apollo** moon missions
- Created the art form known as the mobile
- Pioneered one of the nation's first true intranets and invented the IMAP email protocol
- Invented **bubble wrap**, and many more
...

Who we are



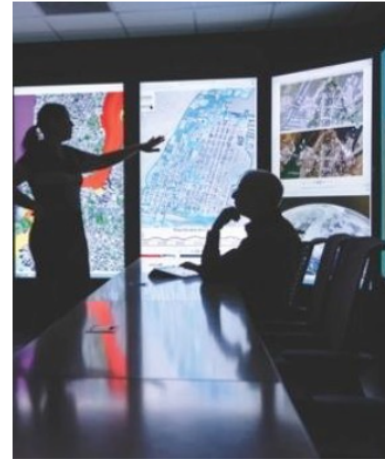
Schaefer School of Engineering and Science

Advancing scientific knowledge to create groundbreaking solutions to 21st- century challenges



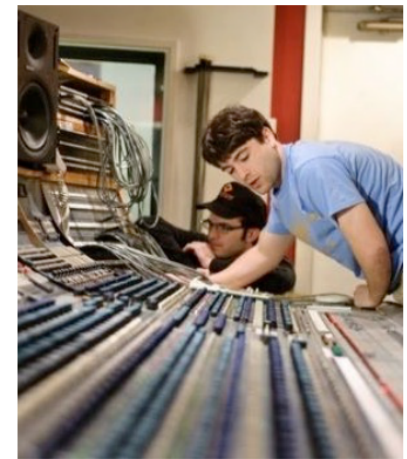
School of Business

Leading innovation in management and finance through technology and business intelligence, across industries and around the globe



School of Systems and Enterprises

Optimizing the design, creation and operation of complex systems and organizations



College of Arts and Letters

Uniting humanities, science and technology to inspire and inform change and innovation

The Stevens School of Business

Developing Talent for the Digital Economy

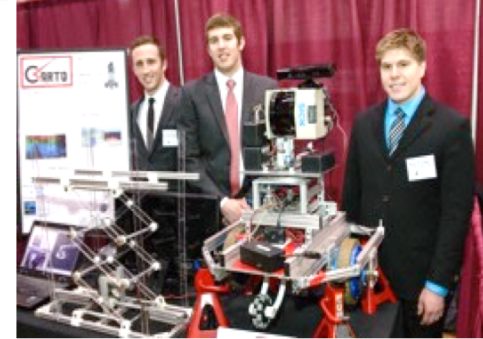
- 8 undergraduate majors
- 10 graduate programs
- 4 PhD programs
- Extensive research
- At the intersection of business and technology
- Top faculty
- Amazing students
- Excellent relations with industry

Driven by real-world experience

**Cooperative
Education >**



**Project-based
learning >**



**< Faculty-
mentored
research**



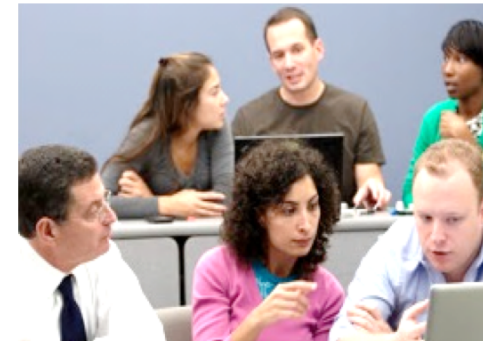
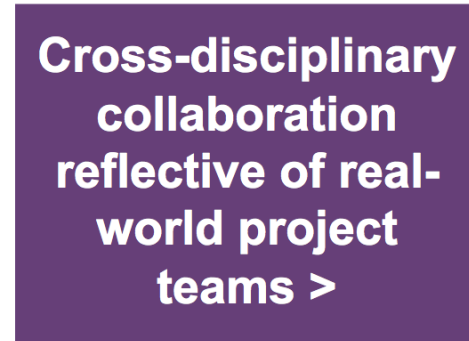
**< Case studies
drawn from
industry**



Internships >



**Cross-disciplinary
collaboration
reflective of real-
world project
teams >**





National Rankings and Recognition

#12  **PayScale**

Return on Investment
2016 College ROI Report

#5



Top Earnings
Ranked among the 13 U.S. "colleges where students go on to earn the most money," 2016

#1



Best Online MBA
Ranked the top online MBA in New Jersey two years in a row (2016-17)

#1



Highest Employment Rate
Ranked #1 Business Program with highest percentage of students employed at time of graduation (2017-18)

#6



Career Placement
2016 Colleges That Pay You Back

#7



Business Analytics
The Stevens master's in BI&A is ranked #7 in the nation by TFE Times, 2017



Named in the 2016 Edition of
"Colleges That Create
Futures"
The Princeton Review

#1



Best Online MSIS
Online Masters in Information Systems Program is ranked #1 by CVO (2017-18)

#17  **PayScale**

For Mid-Career Salaries
2016-2017 College Salary Report

#6

Forbes

Highest Salaries
List of Colleges With Highest Salaries After Graduation, 2016

#5



Management
Online master's in Management is ranked #5 by U.S. College Choice, 2016

#11



Reputation among Corporate Employers
Ranked #11 in the nation in terms of reputation among corporate employers (2019)



STEVENS
INSTITUTE of TECHNOLOGY
THE INNOVATION UNIVERSITY®

Stevens Alliance for Innovation and Leadership

A Solutions Oriented Community of Innovators

School of Business



S.A.I.L. Partners

GENESIS RESEARCH

JPMorganChase 



NOKIA Bell Labs





STEVENS ALLIANCE FOR INNOVATION & LEADERSHIP

SAIL — the Stevens Alliance for Innovation and Leadership — is a community of leaders eager to encourage innovation in business, academia and government.

Members of SAIL enjoy special access to research insights in innovation and leadership from the School of Business at Stevens, as well as the opportunity to learn from fellow managers who are finding competitive advantages through new practices and technologies.

Among the benefits of SAIL membership:

Roundtable events. Admission to expert-led executive education roundtables in which Stevens faculty members present applied research, while industry leaders discuss best practices and shared challenges.

In-depth workshops. One- and two-day events, run by Stevens faculty, that feature hands-on collaboration in uncovering solutions to the most challenging aspects of innovation and leadership.

Expanded knowledge base. Access to curated content and updates on noteworthy research topics from the School of Business and Stevens Institute of Technology.

Annual conference. Admission to the annual SAIL conference, featuring a deep dive into a cutting-edge topic in innovation and leadership, as well as invitations to regular lectures from industry leaders.

Special tuition rates. Sizable tuition discounts for Stevens degree and executive education programs.

Student consultants. Access to a wide range of applied research teams in which a Stevens faculty member leads a team of graduate students in providing customized solutions to complex challenges faced by a member business.

Funded doctoral research and internships. Ph.D. students and interns, working under faculty supervision, bring valuable new perspective to particularly complex problems, especially related to innovation and technology.

Capstone projects and case studies. Student teams use company data to solve actual problems, under guidance of faculty and managers.

JOIN SAIL



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Models of Interaction

Field Consulting Projects

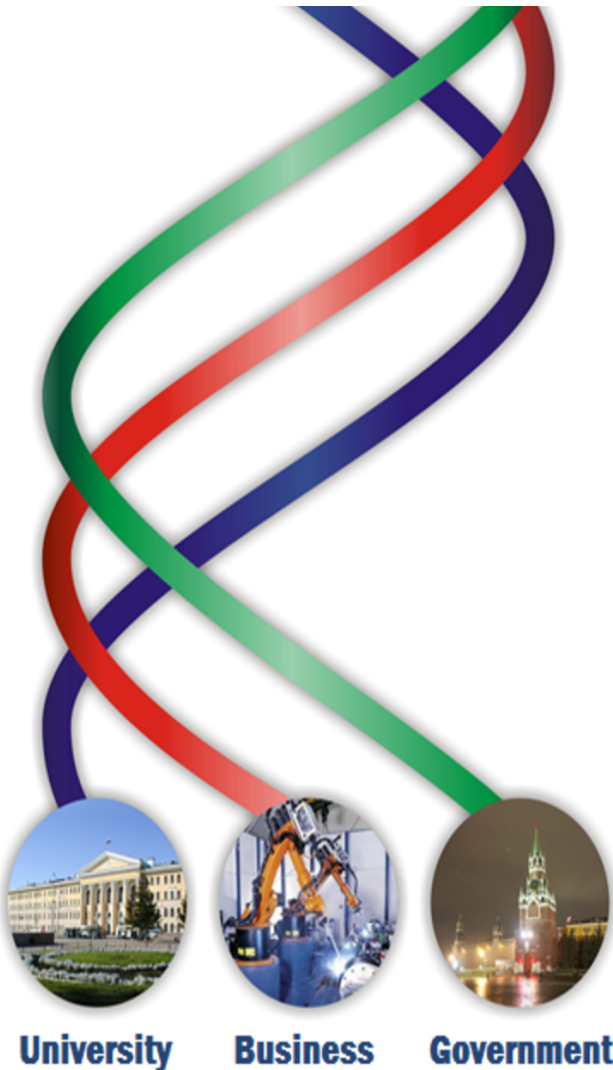
Access to a wide range of applied research teams where a full time faculty member leads a team of graduate students collaborating with clients to provide customized solutions to complex challenges

Funded PhD & Internships

Faculty-supervised PhD student works on client-related dissertation topic. Student interns engage extensively with clients over 2-3 semesters developing targeted solutions addressing client needs

Capstone Projects & Case Studies

Student teams work on company chosen problems





Some examples of last year's projects

- Wiley - Research Network Analysis: Bibliometric Analysis of Authors - Dr. Chris Asakiewicz
- IEEE - Cybersecurity Web Log Mining: Analyzing Log Files for Anomalies - Dr. Dave Belanger and Dr. Mahmoud Daneshmand
- Pfizer - Modeling and Optimization: Optimization of Transportation Costs and Carbon Foot Print - Dr. Alkis Vazacopoulos and Dr. Panagiotis Repoussis
- JP Morgan/Chase - Machine Learning: An Intelligent Underwriter - Dr. Ted Lappas



Thank you!