

Stevens Institute of Technology

Office of Academic Entrepreneurship

Questionnaire – Academic Entrepreneurship (AE) @ Stevens



Dear Participant,

This questionnaire is in support of the Academic Entrepreneurship initiative at Stevens. Its purpose is to establish benchmarks measuring the faculty's awareness and attitudes about the purpose, impact and activities of Academic Entrepreneurship.

Thank you for your participation,

Dr. Christos Christodoulatos, Dr. Thomas Lechler, Arman Roodsari

What is your position within Stevens? (Pick only one):

- | | |
|--|--|
| <input type="checkbox"/> Ph.D. Student | <input type="checkbox"/> Assistant Professor |
| <input type="checkbox"/> Postdoc | <input type="checkbox"/> Associate Professor |
| <input type="checkbox"/> Non tenure track Teaching Faculty | <input type="checkbox"/> Full Professor |
| <input type="checkbox"/> Non tenure track Research Faculty | <input type="checkbox"/> Other: _____ |

What is your area of research? (Pick only one):

- | | |
|--|---|
| <input type="checkbox"/> Engineering (e.g. Electrical Engineering) | <input type="checkbox"/> Computer Science |
| <input type="checkbox"/> Business | <input type="checkbox"/> Natural Science |
| <input type="checkbox"/> Life Science | <input type="checkbox"/> Other: _____ |

Have you ever started or intended to start your own business/spin-off?

- Yes No

Have you ever created Intellectual Property e.g. patents, copyrights etc.?

- Yes No

How many Academic Entrepreneurship (AE) events have you attended this academic year? (Pick only one):

- | | |
|----------------------------|--|
| <input type="checkbox"/> 0 | <input type="checkbox"/> 0 but I intend to attend an event |
| <input type="checkbox"/> 1 | <input type="checkbox"/> 2 |
| <input type="checkbox"/> 3 | <input type="checkbox"/> 4 |
| <input type="checkbox"/> 5 | <input type="checkbox"/> 6 or more |

Organizational View – Perception of Academic Entrepreneurship (AE):

General Characteristics

1. Educational activities at Stevens are aimed at the integration of technological and market knowledge into the curriculum.
2. Research activities at Stevens are focused on scientific breakthroughs and technological advances to create economic value.
3. Collaborative research initiatives with industry and other universities (in areas of common research interest) for the creation of IP (Intellectual Property) are supported at Stevens.
4. Technical inventions based on research results are quickly commercialized.

Strongly Disagree	Neutral	Strongly Agree	I don't know
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>

Leadership and Academic Entrepreneurship (AE)

1. The role of academic leadership is to nourish an entrepreneurial capability.
2. The academic leadership encourages entrepreneurial activities, enabling scientific and technological discovery with broad impact and commercial applicability.
3. The academic leadership has experience with innovation and entrepreneurship.
4. The institute's academic leadership provides sponsorship for AE.

Strongly Disagree	Neutral	Strongly Agree	I don't know
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>

Support and Preconditions for Academic Entrepreneurship (AE)

1. Sufficient funds are available for AE initiatives.
2. Sufficient rewards and compensations are offered for AE initiatives.
3. AE- and IP seminars/workshops are offered for students and faculty at Stevens.
4. Stevens provides sufficient resources for spin-off companies.
5. A supporting network of industry partners, investors and regulators helps Stevens' faculty and students in their AE-activities.
6. An incentive system motivates faculty and students at Stevens to participate in AE initiatives.

Strongly Disagree	Neutral	Strongly Agree	I don't know
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>

Processes for Academic Entrepreneurship (AE)

- 1. There are well established/structured technology transfer and commercialization processes within Stevens.
- 2. Stevens has dedicated resources to quickly exploit evolving innovation opportunities.
- 3. Effective administrative functions exist to improve AE processes.

Strongly Disagree	Neutral	Strongly Agree	I don't know
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>

Strategy for Academic Entrepreneurship (AE)

- 1. Stevens has a strong emphasis on research and AE
- 2. Stevens has a well communicated strategy that aims to foster and exploit technology commercialization and AE.

Strongly Disagree	Neutral	Strongly Agree	I don't know
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>

Personal View – Entrepreneurial Orientation

Innovativeness

- 1. My research has a strong emphasis on innovation and technological leadership.
- 2. I am motivated to pursue new avenues in research, to create radical innovations.
- 3. I incorporate new industry specific ideas into my own research projects.
- 4. I have achieved a number of successful industry relevant innovations over the last 5 years.

Strongly Disagree	Neutral	Strongly Agree	I don't know
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>

Risk Taking

- 1. I dedicate a significant part of my resources to risky innovative industry-based projects.
- 2. I am willing to accept the risks needed to initiate a spin-off.
- 3. I am eager to exploit new research opportunities with an industry focus, even though they might be risky.
- 4. I am willing to accept the risks of achieving lower academic credentials in favor of entrepreneurial activities.

Strongly Disagree	Neutral	Strongly Agree	I don't know
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>
③ ② ① ① ② ③			<input type="checkbox"/>

Proactiveness

		Strongly Disagree	Neutral					Strongly Agree	I don't know
1.	In my research I try to anticipate future market needs.	3	2	1	0	1	2	3	<input type="checkbox"/>
2.	I respond to new discoveries in industry, and make them part of my own research.	3	2	1	0	1	2	3	<input type="checkbox"/>
3.	I present and discuss my research results with industry rapidly and ask for feedback.	3	2	1	0	1	2	3	<input type="checkbox"/>
4.	I am willing to pursue the creation of a spin-off.	3	2	1	0	1	2	3	<input type="checkbox"/>

Competitiveness

		Strongly Disagree	Neutral					Strongly Agree	I don't know
1.	I measure my research quality and results against industry practices.	3	2	1	0	1	2	3	<input type="checkbox"/>
2.	I observe industry research activities and try to position my activities relative to them.	3	2	1	0	1	2	3	<input type="checkbox"/>
3.	I share my results with investors.	3	2	1	0	1	2	3	<input type="checkbox"/>
4.	I have an interest in supplying my research results to companies in order to facilitate rapid development of marketable products and technologies.	3	2	1	0	1	2	3	<input type="checkbox"/>
5.	I see it as my obligation to transfer my knowledge to industry in order to create/commercialize new products and technologies.	3	2	1	0	1	2	3	<input type="checkbox"/>

Autonomy

		Strongly Disagree	Neutral					Strongly Agree	I don't know
1.	I have the freedom to address industry specific needs in my research.	3	2	1	0	1	2	3	<input type="checkbox"/>
2.	I have the freedom to pursue activities involving innovative and industry-focused research.	3	2	1	0	1	2	3	<input type="checkbox"/>
3.	I can change and adjust my industry focused research, if required.	3	2	1	0	1	2	3	<input type="checkbox"/>
4.	I have the autonomy to apply for joint industry research grants.	3	2	1	0	1	2	3	<input type="checkbox"/>
5.	I enjoy a relatively high degree of flexibility and autonomy to integrate business partners in my research projects.	3	2	1	0	1	2	3	<input type="checkbox"/>