

Naval Innovation, Science, & Engineering Center

Photo Credit: Erik Jepsen/UC San Diego

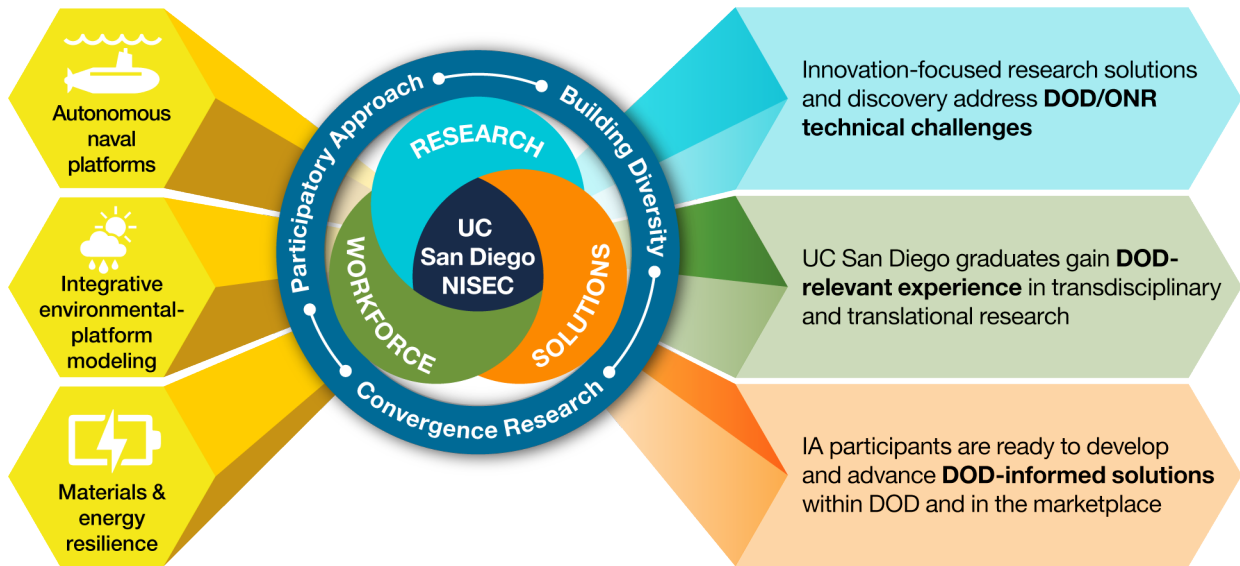
ONR Center at University of California San Diego

UC San Diego



Our Mission

Develop basic research and accelerate its transition into the innovation pipeline using a participatory process in which Navy's on-the-ground technical challenges inform research and innovation projects, and these projects provide opportunities for students to learn about national security priorities and innovation processes.

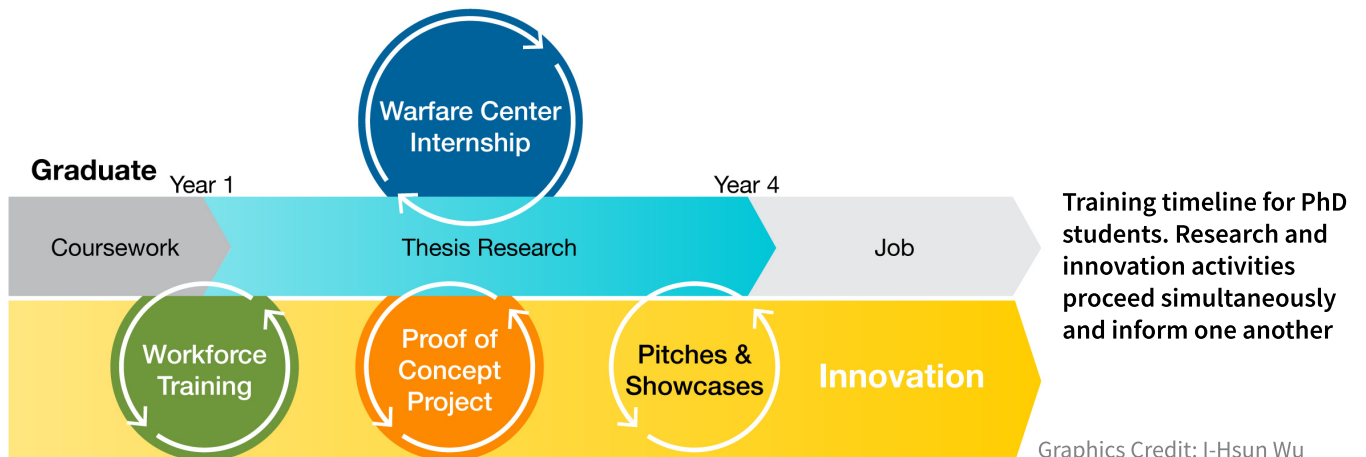


Graphics Credit: I-Hsun Wu

Broad overview of the Center's scope of activities in research, workforce training, and procurement-oriented technical solutions.

UC San Diego is one of the world's premier research universities and the largest grantee with the Department of Defense among California's universities. It is also one of the nation's top three universities in startup creation.

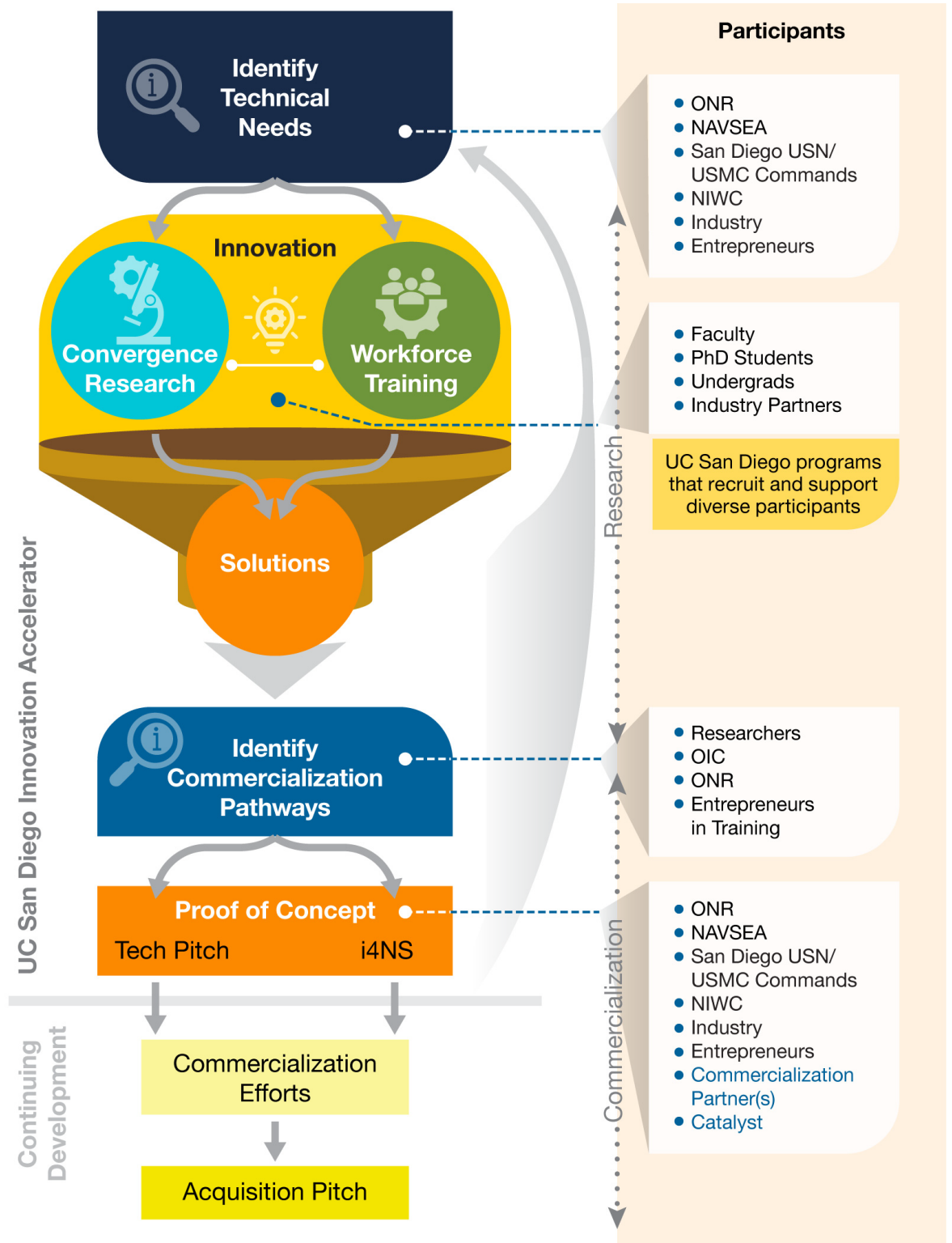
The NISEC programs integrate the prowess in research and technology commercialization, to build an innovation-ready workforce, with an exposure and inclination towards careers in national security.



Training timeline for PhD students. Research and innovation activities proceed simultaneously and inform one another

Graphics Credit: I-Hsun Wu

Research to Commercialization pathway.



Graphics Credit: I-Hsun Wu

With priorities for innovation-informed research and training identified in cooperation with key partners from the Navy and industry, students (PhD and undergrads) progress through a process that involves innovation training, thesis research, transition of research results to proof of concept, and technical pitches, culminating in possible acquisition pitches.

UC San Diego by the numbers:

#4

US Public University in Worldwide
Research Rankings

\$1.8 billion

in Research Expenditures

10,000

Graduate students

33,000

Undergrads

1,000+

Over 1,000 Companies Utilize, or have Utilized,
Technology Created at UC San Diego

- Started Operation in 1964

The following academic units at UC San Diego support NISEC:

- Scripps Institution of Oceanography
- Jacobs School of Engineering
- Contextual Robotics Institute
- Halicioglu Data Science Institute
- School of Physical Sciences
Department of Chemistry and Biochemistry
Department of Physics

- For more information about
UC San Diego rankings



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Theme Lead for Autonomy and Data Science

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Theme Lead for Materials

Prof. Javier Garay



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