



**KRACH
INSTITUTE**

FOR —————
TECH DIPLOMACY

AT PURDUE

Training Programs

October 2022

Who We Are

Technology Must Advance Freedom

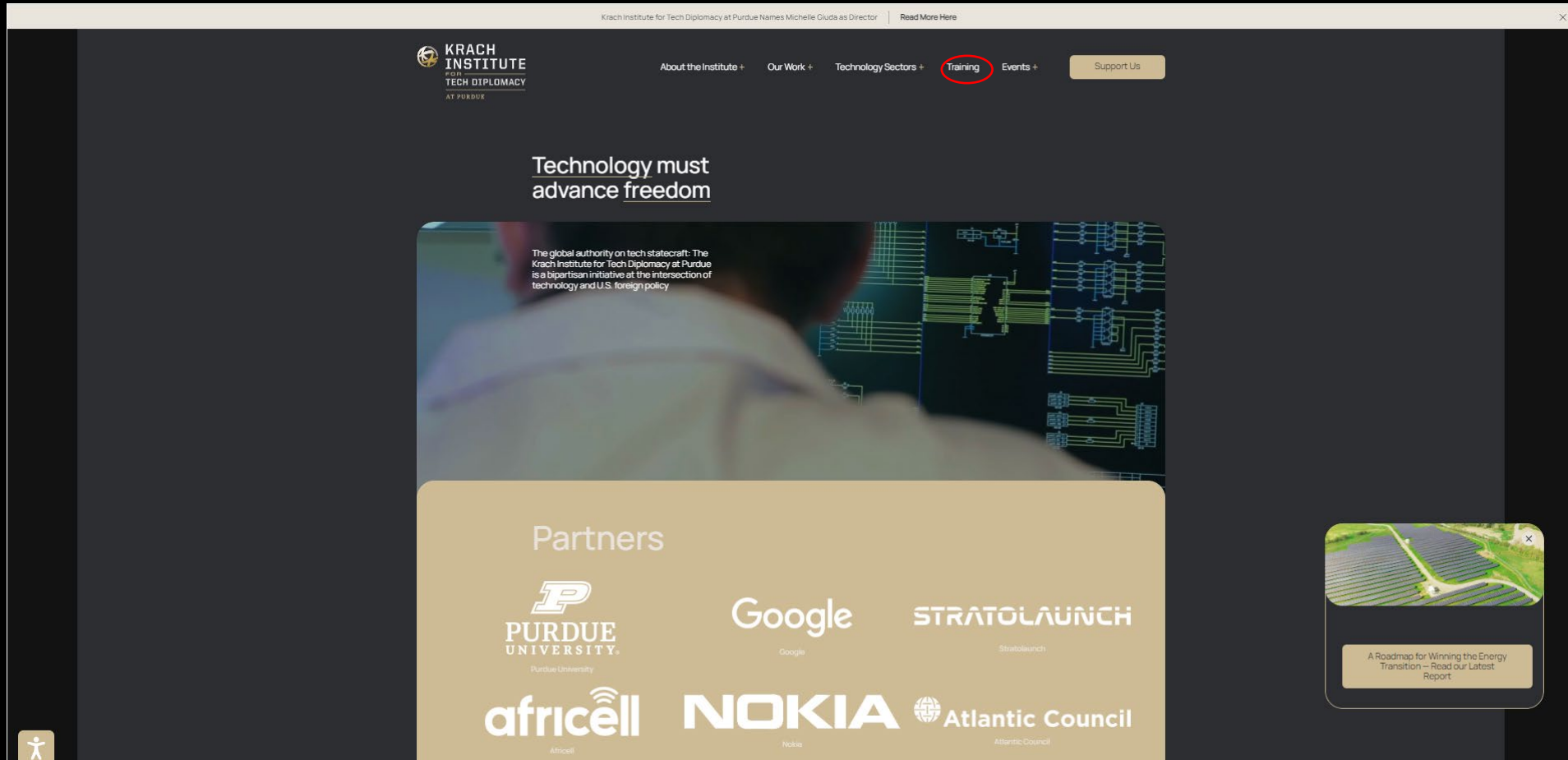
The Krach Institute for Tech Diplomacy at Purdue is a bipartisan initiative under the Purdue Research Foundation, a 501(c)(3) nonprofit affiliated with Purdue University.

Our mission is to advance freedom through trusted technology.




What We Do

Training at the Intersection of Technology & Foreign Policy



Krach Institute for Tech Diplomacy at Purdue Names Michelle Gluda as Director | [Read More Here](#)


 **KRACH
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FOR
TECH DIPLOMACY
AT PURDUE


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Technology must advance freedom


The global authority on tech statecraft: The Krach Institute for Tech Diplomacy at Purdue is a bipartisan initiative at the intersection of technology and U.S. foreign policy


Partners


 **PURDUE
UNIVERSITY**
Purdue University

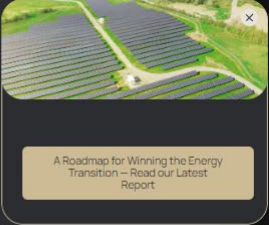
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 **STRATOLAUNCH**
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 **NOKIA**
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 **Atlantic Council**
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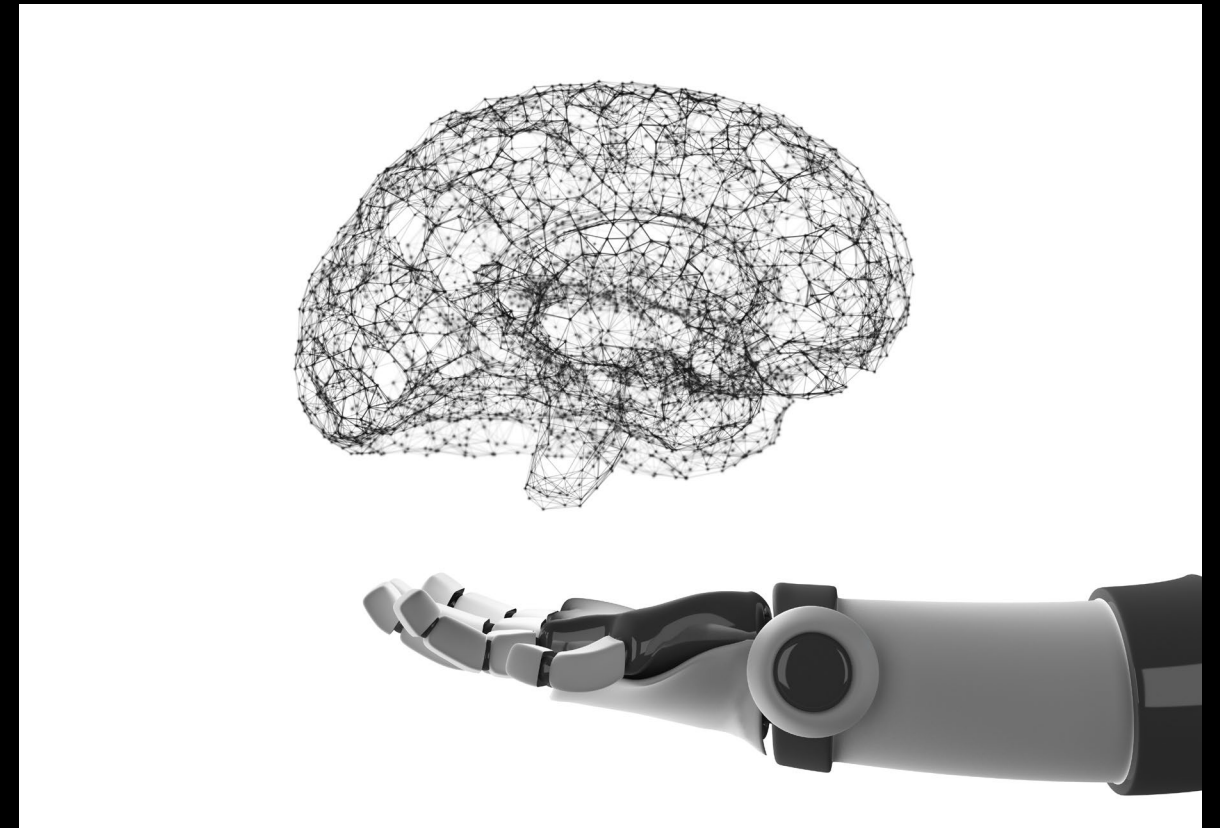


What We Do

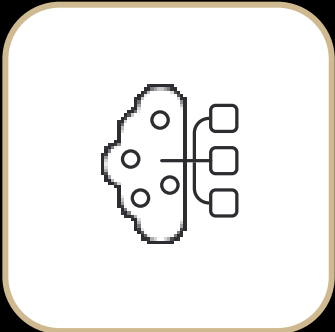
Training at the Intersection of Technology & Foreign Policy

Need. There is a growing knowledge gap between the innovators who are creating solutions to global challenges and the public servants who are responsible for crafting, communicating, and implementing policy.

Solution. We leverage the expertise of Purdue University to bridge the gap through research, training, and educational events. Our objective is to ensure leaders of the U.S. and like-minded nations understand emerging technologies and make informed policy decisions, bolstering national and economic security.



Sample Tech Sectors



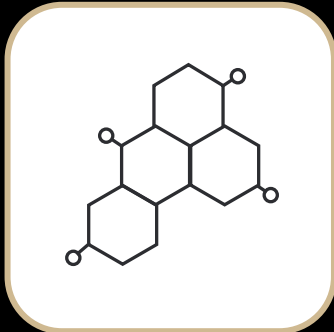
Artificial Intelligence



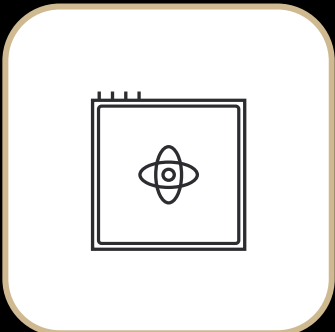
5G / 6G



Rare Earth Elements



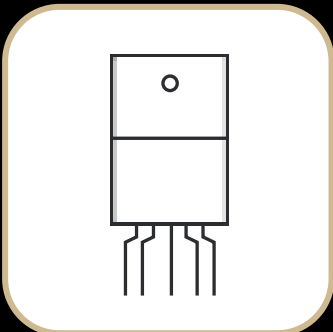
Synthetic Biology



Quantum Computing



Hypersonics



Semiconductors



Energy / Climate

And more!

Training Programs

Tailored to Meet the Needs of Busy Professionals with Non-Technical Backgrounds

In-Person	Asynchronous	Hybrid
<ul style="list-style-type: none">• At client location or at Institute office• Customized content• Subject matter experts facilitate exceptional training and thought-provoking discussion• Networking opportunities among participants	<ul style="list-style-type: none">• Self paced, individual progress• With granted user access, course available online at any time• Available to download• Available worldwide• <i>Note: Under development</i>	<ul style="list-style-type: none">• Access online• Instructor-led• Offered on demand, based on client needs• Available for a group of trainees who learn as a cohort• <i>Note: Under development</i>

The Intended Trainee (Learner)

The Institute is offering this training to U.S. government staff and affiliated personnel (i.e. Think Tanks, government contractors, associations, industry) primarily in the policy and legislative arenas as well as the diplomatic representatives from like-minded countries, to include, but not limited to:

- ❖ Congressional Staff
- ❖ Department of State & Foreign Service Institute
- ❖ Department of Energy
- ❖ Department of Commerce
- ❖ Department of Treasury
- ❖ United States Agency for International Development (USAID)
- ❖ Foreign Allied Embassies



Training Course Content and Delivery

- Purdue faculty, subject matter experts, and Institute staff will design courses to ensure that pertinent information is packaged and delivered with maximum efficiency
 - Faculty will have autonomy and discretion to design training workshops and courses;
 - Institute staff will be available to provide ideas/suggestions/input for course content, topics, and delivery method;
 - Purdue Online will support online accessibility, delivery, and user-interface
- The training programs will be delivered in various formats, from asynchronous, self-paced short-term courses (modules), to intensive, in-person, instructor-led modules where trainees will analyze issues and receive training as a cohort
- Eventually, participants may receive certificates upon completion, depending on the clients' requirements/requests

The Institute will offer short courses (modules)

- **Short courses:**
 - Approximately 2-3 hours in length
 - Summarize the topical area and provide the trainee with a fundamental and general understanding of the subject
 - After completion of the course, the trainees will have expanded their awareness and knowledge about the subject and will be equipped to not only understand the content in a more meaningful way, but also be able to communicate intelligibly about the topic

Purdue Faculty = Research Fellows

- **Senior Research Fellow**

- Purdue University faculty who develop and present training workshops and courses for the Institute will be named Krach Institute for Tech Diplomacy at Purdue Senior Research Fellows
 - Currently, the Center has nine Senior Research Fellows (*College of Engineering, College of Agriculture, and College of Liberal Arts*)

- **Goal:** Incorporate and include faculty across the Colleges at Purdue University

- Faculty will sign a Statement-of-Work (SOW) and enter an agreement with the Institute
 - One-year commitment, with possibility to renew, as 1099 contractors

- **Compensation:** Compensation will be provided to Senior Research Fellows for both the design of their courses, course recording with Purdue Online, and each time they are delivered in person;
 - Fellows are NOT considered Institute employees and continue employment with Purdue University;
 - Fellows can use graduate student support, but no additional funding will be allocated for student involvement at this time

Training Example

In-Person Training Workshop – Example: Hypersonics

Workshop Format. Three-hour, in-person training workshop on hypersonic technology delivered to 21 participants in Washington, D.C. in Jan. 2022. Featured presentation by instructor, small-group discussion and presentations, and Q&A.

Instructor. Dr. Dan DeLaurentis, Senior Research Fellow, Krach Institute; Professor of Aeronautics and Astronautics, Purdue University; Chief Scientist, Department of Defense Systems Engineering Research Center (SERC)

Networking. Follow-on reception attended by 75 people from government, industry, think tank, and diplomatic community.

Outcomes. In discussion with U.S. government and like-minded foreign embassies to provide tailored trainings. Content is customizable to fit the needs of the client.

Workshop Participant Feedback

“A useful and beneficial experience.”

“The workshop satisfied my professional needs.”

“The format made very good use of the three-hour workshop. Dan's presentation was entertaining and very informative. It was great to have plenty of time for Q&A with such a knowledgeable group and the small group breakouts and reception were excellent networking opportunities.”

So, What's In It For Me?

- Compensation for work
- Recognition in Washington, DC and with international community
- Opportunities to publish articles and reports
- Press coverage of your work through recognition of Fellows as subject matter experts
- Attend various Tech Salons, seminars, receptions, and other Institute events
- Collaborate and interact with other Research Fellows, Industry, and Media Fellows
- Office meeting space, technical support, conference room space
- Institute staff will support you with course development and curriculum and instruction
- Institute staff will be available to help you communicate and interact with government officials, leaders, and staff
- Institute staff and Purdue Online will collaborate and transfer your course and make it available online, when applicable. No extra work on your part. Support and ability to obtain input and assistance from Purdue Online Instructional Design staff.
- Institute staff will help you create your training workshop and modules – for in person training workshops and online asynchronous and hybrid modules
- You are not alone. You will have tremendous support from the Krach Institute for Tech Diplomacy at Purdue staff

As a Research Fellow, You Will Have the Opportunity to...



- Interact with and educate professionals who are directly impacting policy
- Obtain a unique platform to communicate and share your subject matter expertise
- Shape U.S. and foreign policy in an unprecedented way
- Participate in Institute events at Purdue University and in Washington, D.C.
- Represent Purdue University in a significant way that amplifies the university's brand
- Be part of the first “tech tank” at Purdue University

Contact Us for More Information

*To Request more information, Contact Director of
Training Programs, Zachary Goldsmith
(zrgoldsmith@prf.org)*

