

# 2016

# INSA INNOVATORS' SHOWCASE

WHERE RESEARCH LEADS THE THIRD OFFSET

## CALL FOR ABSTRACTS DUE THURSDAY, APRIL 21

Is your organization developing technologies that would enhance U.S. intelligence and national security missions? Put those independent research and development (IR&D) and other internally funded research efforts before an audience of leading government scientists, technologists and engineers at the 6th Innovators' Showcase.

Since 2010, the Intelligence and National Security Alliance (INSA) has presented the Innovators' Showcase in collaboration with the National Intelligence Science and Technology Committee of the Office of the Director of National Intelligence (ODNI) and other U.S. intelligence agencies. This annual exhibition provides a unique forum for the private sector, public-private enterprises and academia to present their innovative research projects to an ODNI-selected government audience and get feedback. The Innovators' Showcase is an excellent opportunity to showcase your organization's IR&D portfolio and advance submitted research projects.

The 6th Innovators' Showcase will focus on technology development projects that could support the US Department of Defense Third Offset Strategy areas for the broader Intelligence Community. We are looking for IR&D projects which will provide technical capability to the Intelligence Community and will offset the advantages of our adversaries, leading to the [U.S. Third Offset Strategy](#). If you have an IR&D project addressing one or more topics of interest (see reverse) and haven't already been covered in [ODNI's In-STeP Program](#) and related roadmap and corporate visits, your organization is encouraged to submit a **non-proprietary, unclassified, one-page abstract** for initial review and evaluation by INSA's Council on Technology and Innovation.

The Council's recommendations will be reviewed by the ODNI, and the best-qualified submissions will be invited to present a more detailed briefing – at the **TS/SCI, unclassified and/or proprietary level**, as appropriate – at the Innovators' Showcase, scheduled for June 3, 2016 in McLean, VA. While not every abstract submitted to INSA will be able to present at the Showcase, **all abstracts** will be compiled in the Showcase materials that are distributed to government scientists, technologists, engineers, and management teams from ODNI and other intelligence agencies.

(See reverse for topics of interest.)



### PRESENTATION DATE

Friday June 3, 2016

### LOCATION

McLean, VA

### EVENT FORMAT

Approximately 20 - 25 presentations of 8 - 10 minutes each to evaluation panel

### NUMBER OF PANELISTS

Approximately 50 - 75 government technologists/scientists selected by ODNI

### QUESTIONS?

Contact INSA at 703-224-4672 or at [showcase@insaonline.org](mailto:showcase@insaonline.org). Be sure to visit our website at [www.insaonline.org](http://www.insaonline.org)



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### PARTNER ORGANIZATIONS



FINND





## EVENT TIMELINE

### Call for Abstracts:

Tuesday, March 22 - Thursday, April 21

### Abstract Reviews:

Friday, April 22 - Friday, May 6

### Invitations Sent to Finalists:

Mid-May

### Innovators' Showcase Presentation:

Friday, June 3



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TOPIC AREA	ADDITIONAL INFORMATION
Advanced Manufacturing	<ul style="list-style-type: none"> <li>Innovative 3-D printing techniques, materials, applications, for the creation of complex, composite objects such as with integrated structure, electronics, RF, antennas, etc.</li> <li>New approaches, new system ideas such as 3-D scan to print systems for spare parts on the battlefield, 3-D printing in space overcoming challenges of weightlessness, materials properties, etc.</li> </ul>
Autonomous Systems	<ul style="list-style-type: none"> <li>Energy – Storage, harvesting, transfer capabilities that enable longevity, standby, and other innovative capabilities from physics, chemistry, mechanical and other disciplines</li> <li>Nuclear and other WMD – Solutions to supporting monitoring through sensors (e.g., passive, unattended), detectors, data extraction and other intelligence</li> <li>Resiliency – Self-healing and other capabilities in space and for other vehicles (including IAVs) that enable continuous, standby, and flexible operations</li> </ul>
Big Data	<ul style="list-style-type: none"> <li>Open Source and Other Big Data – Leveraging for Activity-Based Intelligence (ABI), machine-augmented intelligence including tipping and cueing, machine learning and other human/machine teaming</li> <li>Digital Dust – Using biometrics, signatures, device tracking and other IoT to support ConOps, counter-intelligence and other operations</li> </ul>
Miniaturization	<ul style="list-style-type: none"> <li>Sensors - Optical, VIS, IR, RF, multi-function and other approaches</li> <li>Space – Small sats, miniaturization of constellations, and other airborne or space-based assets</li> <li>Other Areas – Swarming techniques, novel approaches</li> </ul>
Robotics	<ul style="list-style-type: none"> <li>Innovative Autonomous Vehicles (IAVs) - Including unmanned air, land, underwater vehicles, for surveillance and communications applications, transport applications, weapons delivery platforms. Also, countering threats from autonomous vehicles including detection, evasion, countermeasures, etc.</li> <li>Other advanced robotics concepts for military and intelligence applications.</li> </ul>
Game Changing Ideas	<ul style="list-style-type: none"> <li>If you have a great R&amp;D project that you think enables an "Offset Strategy" for the Intelligence Community, but does not directly fit the above technology areas, you may submit it here. "Game Changing" projects will be considered for briefing at the Showcase, and included in the report given to the government S&amp;T community.</li> </ul>

## Past attendees to Innovators' Showcase have included scientists, engineers and technologists from:

- Central Intelligence Agency (CIA)
- Defense Intelligence Agency (DIA)
- National Geospatial-Intelligence Agency (NGA)
- National Security Agency (NSA)
- National Reconnaissance Office (NRO)
- Office of the Director of National Intelligence (ODNI)
- Office of the Under Secretary of Defense for Intelligence (USDI)
- Several other members of the Intelligence Community including DOD, DOE, FBI, IARPA and others

This year, we will also be collaborating with the Defense Innovation Unit - Experimental (DIU - X), a DoD outreach office in Silicon Valley.

## ABSTRACT SUBMISSION REQUIREMENTS

Submit an unclassified research project abstract, cover page and biographical sketch to [showcase@insaonline.org](mailto:showcase@insaonline.org) by COB Thursday, April 21, 2016.

- INSA members may submit an abstract at no cost as a benefit of membership
- Members of partner organizations may also submit abstracts at no cost
- Others may submit an abstract for a fee of \$300

## One-page abstract should be typed in 12-point font or larger and contain:

- The title of the project
- A brief discussion of the problem, desired outcome(s), and the project's specific aims or hypothesis(es)
- A concise overview of the research design including methods, schedule and progress to date
- Plans for data analysis and/or future research areas and ongoing related research (internal or external to submitting organization)
- Please be sure to include project size, duration, and progress information. Submissions must be unclassified and cannot contain any proprietary information

## Abstracts should be submitted with a cover letter that includes:

- The name, address, phone, fax number, and email address of the principal investigator (PI) and the Co-PI (as appropriate)
- The sponsoring corporation/institution
- Identification of the specific IR&D or investment project and relevant Showcase topic of interest (listed above)
- An additional page which contains a biographical sketch of the PI and Co-PI (as appropriate)