

# 2020 Defense Enterprise Science Initiative (DESI) Program Review

Dr. Bindu Nair & Mrs. Katie Wisecaver | April 23, 2020 | Arlington, VA

Basic Research Innovation and Collaboration Center (BRICC)  
4100 North Fairfax Drive, Suite 450 | Collaboration Room  
Arlington, VA 22203

## Agenda | Tuesday, April 23, 2020

Time	Topic	Speaker
8:30	Registration	
9:00	Opening Remarks	<b>Dr. Bindu Nair</b> BRO, OUSD(R&E)
9:15	DESI Topic 1: Power Beaming  Project: Laser Power Converters With >80% Efficiency and Low Thermal Generation	<b>Dr. Minas Tanielian</b> The Boeing Company <b>Dr. Richard King</b> Arizona State University <b>Dr. Eric Schiff</b> Syracuse University
9:45	DESI Topic 2: Highly Maneuverable Autonomous UAV  Project: Supermaneuverable Autonomous Pursuit: Peregrine Falcon Versus Pigeon Inspired UAVs	<b>Dr. David Lentink</b> Stanford University  <b>Dr. Hayk Martirosyan</b> Skydio
10:15	<b>BREAK</b>	
10:45	DESI Topic 3: Soft Active Composites with Intrinsic Sensing, Actuation, and Control  Project: Composite Soft Materials with Decentralized and Distributed Actuation	<b>Dr. Chad Mirkin</b> Northwestern University  <b>Dr. Andrey Ivankin</b> TERA-print, LLC
11:15	DESI Topic 4: Metamaterial-based Antennas  Project: Dynamically Reconfigurable, Conformal, Metasurface Apertures for Communications and Sensing Applications in Aerospace Platforms	<b>Dr. David Smith</b> Duke University <b>Dr. Matthew Reynolds</b> University of Washington <b>Dr. Vesna Radisic</b> Northrop Grumman
11:45	<b>LUNCH</b>	
1:00	DESI Topic 5: Alternate Topics  Project: Space Surveillance with Correlation Based Radar	<b>Dr. George Papanicolaou</b> Stanford University <b>Dr. Arnold Kim</b> UC Merced <b>Dr. Arlen Schmidt</b> Visor Corporation

Time	Topic	Speaker
2:45	Closing remarks	Dr. Bindu Nair BRO, OUSD(R&E)
3:00	BREAK	
3:30	Government Panel Discussion	Government Only
5:00	Meeting Adjourned	