

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	Dr. Bindu Nair BRO, OUSD(R&E)
9:15	DESI Topic 1: Power Beaming Project: Laser Power Converters With >80% Efficiency and Low Thermal Generation	Dr. Minas Tanielian The Boeing Company Dr. Richard King Arizona State University Dr. Eric Schiff Syracuse University
9:45	DESI Topic 2: Highly Maneuverable Autonomous UAV Project: Supermaneuverable Autonomous Pursuit: Peregrine Falcon Versus Pigeon Inspired UAVs	Dr. David Lentink Stanford University Dr. Hayk Martirosyan Skydio
10:15	BREAK	
10:45	DESI Topic 3: Soft Active Composites with Intrinsic Sensing, Actuation, and Control Project: Composite Soft Materials with Decentralized and Distributed Actuation	Dr. Chad Mirkin Northwestern University Dr. Andrey Ivankin 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	Dr. David Smith Duke University Dr. Matthew Reynolds University of Washington Dr. Vesna Radisic Northrop Grumman
11:45	LUNCH	
1:00	DESI Topic 5: Alternate Topics Project: Space Surveillance with Correlation Based Radar	Dr. George Papanicolaou Stanford University Dr. Arnold Kim UC Merced Dr. Arlen Schmidt 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	