

UNCLASSIFIED

AY 2018-2019 PROSPECTIVE RESEARCH TOPIC NOMINATION

CLASSIFICATION	UNCLASSIFIED
RESEARCH TOPIC TITLE	Aerospace Warning (Detection, Tracking, Identification) of Advanced Missile Threats
TOPIC DESCRIPTION	Aerospace threats continue to evolve with increased capabilities that challenge our current systems. Research would investigate potential surveillance technologies.
DATE SUBMITTED	May 2018
EXTENDED TOPIC DESCRIPTION	Adversary threat missile capabilities continue to advance, especially in the aspects of: radar cross section (or size), range (longer ranges), speed (hypersonic technology as an example), and maneuverability (not solely ballistic missile profiles). These capability advancements challenge our legacy systems in providing accurate, reliable, and unambiguous threat warning. For the purposes of this topic nomination, "missile threats" refer to missiles of sufficient size to launch their payloads into space with varying levels of capability upon re-entry: ballistic re-entry, maneuverable re-entry, and hypersonic glide re-entry vehicle technologies.
DESIRED OBJECTIVES OF THE RESEARCH	Conduct research to determine if there are current systems and/or emerging systems that provide increased capability against current and emerging missile threats.
REQUESTING/SPONSORING ORGANIZATION	NORAD J36
POINT OF CONTACT	Ms. Lauren Schindler, Ms. Jennyfer Myrick & Dr. Ed Campbell
MAILING ADDRESS	250 S. Peterson Blvd, Peterson AFB, CO 80914-3820
EMAIL ADDRESS	n-nc.peterson.n-ncj7.mbx.j72-education-team-omb@mail.mil
TELEPHONE NUMBER (Commercial and DSN)	719-554-6357; 719-554-6819; 719-554-9059
FAX NUMBER (Commercial and DSN)	
DESIRED RESEARCH COMPLETION DATE	2019
AVAILABLE FUNDING, IF ANY	None

UNCLASSIFIED

UNCLASSIFIED

COMMENTS	There are various efforts currently in progress that could potentially inform this research: The USSTRATCOM-led Global Threat Characterization & Assessment (GTCA) Report, December 2017; and the USSTRATCOM and USNORTHCOM sponsored Missile Warning/Missile Defense Situational Awareness Joint Emergent Operational Need (JEON ST-0010) currently in progress.
-----------------	---

UNCLASSIFIED