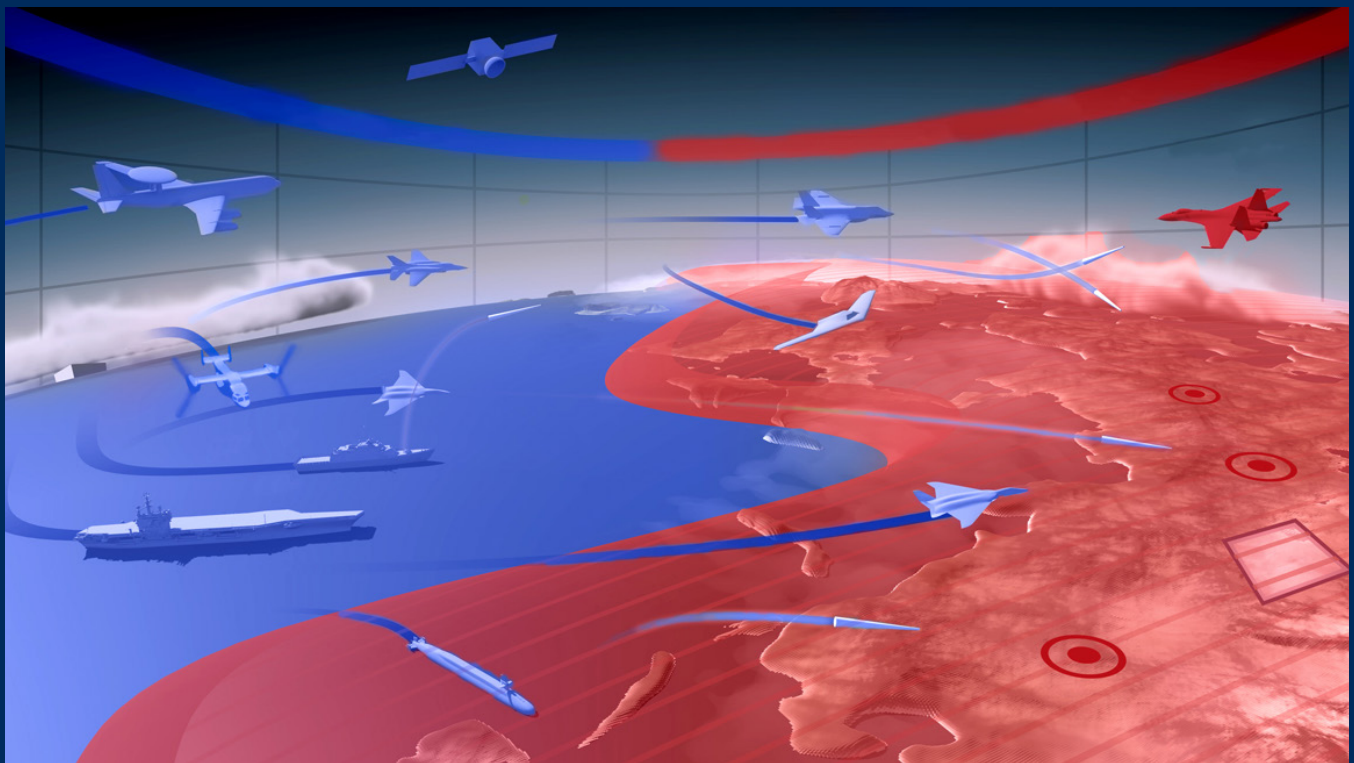


AIRCRAFT SURVIVABILITY SYMPOSIUM 2018

ENHANCING SURVIVABILITY ACROSS A MULTI-DOMAIN BATTLESPACE



November 6 – 8

Naval Postgraduate School

Monterey, CA

[NDIA.org/Aircraft18](https://ndia.org/Aircraft18)

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NDIA

WHO WE ARE

The National Defense Industrial Association is the trusted leader in defense and national security associations. As a 501(c)(3) corporate and individual membership association, NDIA engages thoughtful and innovative leaders to exchange ideas, information, and capabilities that lead to the development of the best policies, practices, products, and technologies to ensure the safety and security of our nation. NDIA's membership embodies the full spectrum of corporate, government, academic, and individual stakeholders who form a vigorous, responsive, and collaborative community in support of defense and national security. For more information, visit NDIA.org



COMBAT SURVIVABILITY DIVISION

WHO WE ARE

NDIA's Combat Survivability Division addresses all aspects of susceptibility reduction (probability of hit), vulnerability reduction (consequences of hit) and the overall survivability discipline, including countermeasures, signature reduction, tactics and training, camouflage, concealment and deception, as well as damage resistance, damage tolerance and combat damage repair. The division also focuses on the transfer of information and technology between the military survivability and civil aviation communities to improve flight safety and to mitigate the effects of terrorist acts.

LEADERSHIP AND COMMITTEES

BG Stephen Mundt, USA (Ret)
Division Chair

Dr. Mark Couch
Strategy Committee Chair

Robert Gierard
Awards Committee Chair

Amy Howell
2018 Symposium Chair

Jack Rau
Publicity Committee Chair

SCHEDULE AT A GLANCE

TUESDAY, NOVEMBER 6

Optional Tutorial Sessions

Naval Postgraduate School
Watkins Hall

8:00 am – 5:00 pm

Networking Reception

Hyatt Regency Monterey
Spyglass 1 & 2

6:00 – 7:30 pm

WEDNESDAY, NOVEMBER 7

Symposium Day 1

Naval Postgraduate School
King Hall

8:00 am – 3:35 pm

Award Celebration Social Event

A Taste of Monterey
5:00 – 8:00 pm

THURSDAY, NOVEMBER 8

Symposium Day 2

Naval Postgraduate School
King Hall

8:00 am – 4:00 pm

Awards Luncheon

Naval Postgraduate School
Herrmann Hall

11:20 am – 1:20 pm

EVENT INFORMATION

LOCATIONS

Naval Postgraduate School
1 University Circle
Monterey, CA 93943

Hyatt Regency Monterey
1 Old Golf Course Road
Monterey, CA 93940

A Taste of Monterey
700 Cannery Row, Ste. KK
Monterey, CA 93940

SURVEY AND PARTICIPANT LIST

You will receive via email a survey and list of attendees (name and organization) after the conference. Please complete the survey, which helps make our event even more successful in the future.

EVENT CONTACTS

Elizabeth Richards, CMP

Meeting Manager
erichards@ndia.org

Macon Field

Assistant Vice President, Divisions
mfield@ndia.org

PLANNING COMMITTEE

Amy Howell
Symposium Chair

Dr. Mark Couch
Session Chair

Jack Rau
Session Chair

Barry Vincent
Symposium Vice Chair

Robert Gierard
Awards Committee Chair
Session Chair

Michael Schuck
Poster Chair

Chris Adams
Symposium Planning

Ken McKenzie
Session Chair

Gary Wollenweber
Tutorial Chair

SPEAKER GIFTS

In lieu of speaker gifts, a donation is being made to the Fisher House Foundation.

HARASSMENT STATEMENT

NDIA is committed to providing a professional environment free from physical, psychological and verbal harassment. NDIA will not tolerate harassment of any kind, including but not limited to harassment based on ethnicity, religion, disability, physical appearance, gender, or sexual orientation. This policy applies to all participants and attendees at NDIA conferences, meetings and events. Harassment includes offensive gestures and verbal comments, deliberate intimidation, stalking, following, inappropriate photography and recording, sustained disruption of talks or other events, inappropriate physical contact, and unwelcome attention. Participants requested to cease harassing behavior are expected to comply immediately, and failure will serve as grounds for revoking access to the NDIA event.

AGENDA

TUESDAY, NOVEMBER 6

7:00 am – 5:00 pm **OPTIONAL TUTORIAL DAY REGISTRATION OPEN**
WATKINS HALL FOYER

7:00 – 8:00 am **CONTINENTAL BREAKFAST**
WATKINS HALL FOYER

8:00 – 8:15 am **WELCOME REMARKS**
WATKINS HALL
Gary Wollenweber
IR Consulting Engineer, GE Aviation

8:15 – 11:30 am **TUTORIAL SESSION 1 – INTRODUCTION TO CYBERSECURITY:
MORE THAN MEETS THE EYE**
WATKINS HALL
Dr. Tye Botting
Research Staff Member, Institute for Defense Analyses

11:30 am – 1:00 pm **LUNCH ON OWN**

1:00 – 5:00 pm **TUTORIAL SESSION 2 – IRST KILL CHAINS REVISITED: CAPABILITY AND
VULNERABILITY IN AN IRST-VERSUS-IRST WORLD**
WATKINS HALL
Dr. Matt Juge
Principal System Engineer, Lockheed Martin Missiles and Fire Control
Mark Myers
Senior Staff Electro-Optics Engineer, Lockheed Martin Missiles and Fire Control

6:00 – 7:30 pm **NETWORKING RECEPTION**
HYATT REGENCY MONTEREY – SPYGLASS 1 & 2

WEDNESDAY, NOVEMBER 7

7:00 am – 3:35 pm **REGISTRATION OPEN**
KING HALL FOYER

7:00 – 8:00 am **CONTINENTAL BREAKFAST**
KING HALL PATIO

8:00 – 8:45 am **WELCOME AND INTRODUCTORY REMARKS**
 KING HALL

Amy Howell
 Deputy Director, Operations Analysis, Lockheed Martin Aeronautics, ADP
 Symposium Chair, Combat Survivability Division, NDIA

BG Stephen Mundt, USA (Ret)
 Chair, Combat Survivability Division, NDIA

VADM Ronald Route, USN (Ret)
 President, Naval Postgraduate School

8:45 – 9:30 am **GOVERNMENT KEYNOTE ADDRESS**

Robert Behler
 Director of Operational Test and Evaluation, Department of Defense

9:30 – 10:00 am **NETWORKING BREAK AND POSTERS OPEN**
 KING HALL PATIO AND LOWER LEVEL

SESSION 1 - Future Threat Trends

10:00 – 10:10 am **SESSION 1 INTRODUCTION**
 KING HALL

Robert Gierard
 Director, Operations Analysis, Raytheon – Space and Airborne Systems

10:10 – 10:35 am **RADAR-GUIDED SAM SYSTEM TRENDS**

Scott Bigelow
 Senior Intelligence Officer, Missile and Space Intelligence Center

10:35 – 11:00 am **ALTERNATIVE RF FIRE CONTROL**

Dr. Stephanie Fried
 Member of Technical Staff, MIT Lincoln Laboratory

11:00 – 11:25 am **IRST MODELING AND ASSESSMENT**

Dr. Sarah Willis
 Member of Technical Staff, MIT Lincoln Laboratory

11:25 – 11:50 am **POTENTIAL AIR-TO-AIR MISSILE CAPABILITY**

Caroline Aust
 Associate Staff, MIT Lincoln Laboratory

11:50 am – 1:05 pm **NETWORKING LUNCH**
 HERRMANN HALL

1:05 – 1:15 pm **RECONVENE**
 KING HALL

SESSION 2 - Aircraft Survivability-Related Program of Record Updates and Combat Lessons Learned

1:15 – 1:25 pm	SESSION 2 INTRODUCTION KING HALL Dr. Mark Couch Warfare Area Lead, Live Fire Test and Evaluation, Institute for Defense Analyses
1:25 – 1:50 pm	ANALYSES OF COMBAT DAMAGE TO U.S. AIRCRAFT WITH COMPARISONS TO TEST AND EVAL RESULTS Jim Rhoads Research Staff Member, Institute for Defense Analyses
1:50 – 2:15 pm	MANPADS THREAT TO MOBILITY AIRCRAFT SURVIVABILITY Dr. Andrew Lee Technical Staff, MIT Lincoln Laboratory
2:15 – 2:45 pm	NETWORKING BREAK AND POSTERS OPEN KING HALL PATIO AND LOWER LEVEL
2:45 – 3:10 pm	V-280 VALOR JOINT MULTI-ROLE TECH DEMONSTRATOR PROGRAM KING HALL Paul Wilson Manager, Bell
3:10 – 3:35 pm	F-35 BLOCK 3F MISSION EFFECTIVENESS TEST RESULTS Peter Bartolomeo F-35 Mission Effectiveness Lead, NAVAIR
5:00 – 8:00 pm	AWARD CELEBRATION SOCIAL EVENT A TASTE OF MONTEREY

THURSDAY, NOVEMBER 8

7:00 am – 4:00 pm	REGISTRATION KING HALL FOYER
7:00 – 8:00 am	CONTINENTAL BREAKFAST KING HALL PATIO
8:00 – 8:15 am	WELCOME AND ADMINISTRATIVE REMARKS KING HALL Amy Howell Deputy Director, Operations Analysis, Lockheed Martin Aeronautics, ADP Symposium Chair, Combat Survivability Division, NDIA

8:15 – 9:00 am **INDUSTRY KEYNOTE ADDRESS**
Mark Cherry
 Vice President and General Manager, Boeing Phantom Works

SESSION 3 - Developments in Aircraft Survivability Technologies

9:00 – 9:10 am **SESSION 3 INTRODUCTION**
 KING HALL
Ken McKenzie
 Program Manager for the OSD Strategic Capabilities Office, MTSI

9:10 – 9:35 am **AIRCRAFT SELF-PROTECTION AND DEBRIS AVOIDANCE**
David Hartline
 MSDM Program Manager, AFRL
Steven McClendon
 Systems Engineer, Cummings Aerospace

9:35 – 10:05 am **NETWORKING BREAK AND POSTERS OPEN**
 KING HALL PATIO AND LOWER LEVEL

10:05 – 10:30 am **FUTURE JSF BLOCK 4 CAPABILITIES AND ENHANCED MULTI-DOMAIN SURVIVABILITY**
 KING HALL
Lee Venturino
 F-35 ME and EW SME, First Principles, Inc.

10:30 – 10:55 am **ENHANCING AIRCRAFT COMBAT SURVIVABILITY THROUGH CYBERSECURITY**
Joseph Beel
 Strategic Programs Manager, Cisco Systems, Inc.
Kelly Jones
 Systems Engineer, Cisco Systems, Inc.

10:55 – 11:20 am **AIRBORNE HIGH ENERGY LASERS FOR AIRCRAFT SELF-PROTECTION**
Dr. Adam Straub
 Technical Staff, MIT Lincoln Laboratory

11:20 am – 1:20 pm **AWARDS PRESENTATION AND LUNCHEON**
 HERRMANN HALL

Combat Survivability Award for Lifetime Achievement

Robert “Rowdy” Wirt
 Technical Director, SAF/AQL

RADM Robert H. Gormley Combat Survivability Award for Leadership

Louis Colangelo, Jr.
 APL Deputy Mission Area Executive, Precision Strike

Combat Survivability Award for Technical Achievement

Lee “LV” Venturino
 President and CEO, First Principles, Inc.

Professor Robert E. Ball Young Professional Award for Combat Survivability

Laura Trench
 Deputy Program Manager, Virtual Warfare Center, Boeing Phantom Works

1:20 – 1:30 pm

RECONVENE

KING HALL

SESSION 4 - DoD Strategies and Future Aircraft Survivability Concepts

1:30 – 1:40 pm

SESSION 4 INTRODUCTION

KING HALL

Jack Rau

Chief Analyst, Boeing Phantom Works

1:40 – 2:05 pm

THE FUTURE OF AIR MOBILITY SURVIVABILITY

Maj Ian “Slag” Shelley, USAF

Engineer, HQ AMC/A8Z

Maj Matthew “Stewie” Weinberg, USAF

Engineer, HQ AMC/A8Z

2:05 – 2:30 pm

ADVANCED EMITTER AND OUT OF BAND THREAT CHALLENGES TO TACTICAL AIRCRAFT

Paul Wiedenhaefer

Director, Operational Analysis, Modern Technology Solutions, Inc.

2:30 – 3:00 pm

NETWORKING BREAK AND POSTERS OPEN

KING HALL PATIO AND LOWER LEVEL

3:00 – 3:25 pm

ROTARY WING AVIATION RF TACTICS DEVELOPMENT

KING HALL

CW5 Chris Johnson, USA

3:25 – 3:50 pm

ELECTRONIC WARFARE OPERATIONAL COLLABORATION

Danny Vereen

ECSTIM Branch Head, NAWCAD Pax River NAS

Ron Dodge

EW Lab Lead, NAWCAD Pax River NAS

Matt Luby

Signal Labs Lead, NAWCAD Pax River NAS

3:50 – 4:00 pm

CLOSING REMARKS

Amy Howell

Deputy Director, Operations Analysis, Lockheed Martin Aeronautics, ADP
Symposium Chair, Combat Survivability Division, NDIA

The NDIA has a policy of strict compliance with federal and state antitrust laws. The antitrust laws prohibit competitors from engaging in actions that could result in an unreasonable restraint of trade. Consequently, NDIA members must avoid discussing certain topics when they are together at formal association membership, board, committee, and other meetings and in informal contacts with other industry members: prices, fees, rates, profit margins, or other terms or conditions of sale (including allowances, credit terms, and warranties); allocation of markets or customers or division of territories; or refusals to deal with or boycotts of suppliers, customers or other third parties, or topics that may lead participants not to deal with a particular supplier, customer or third party.

POSTER PRESENTERS & DISPLAYS

3pod Statistical Approach for Armor Testing

Matthew Swart
SURVICE Engineering

Aircraft Survivability Modeling and Simulation Review

Ian Lunsford
Northrop Grumman Corporation

CH-130 Wingtip Missionization

Ronald Chin
Lockheed Martin Corporation

Chemical-Biological Aircraft Survivability Barrier (CASB)

Tara Bell
Special Forces Rapid Capability Development and Deployment

Conformal Conductivity Probe for Improved Tier 1 Inspection of Gap Fillers on Low Observable Aircraft

Daniel Faircloth
IERUS Technologies

ERS Support to Aircraft Survivability Efforts

Owen Eslinger
Engineer Research and Development Center

Investigating System Stability through Message Traffic Analysis

Matthew Blair
Northrop Grumman Corporation

The Process of Vulnerability Assessment Today

Matthew Baugh
Naval Postgraduate School

Display: Defense Systems Information Analysis Center

Michael Schuck
DSIAC

Display: Joint Aircraft Survivability Program Office

Dennis Lindell
JASPO

Display: NAWCWD Weapons Survivability Laboratory

Ray Hocker
NAWCWD – WSL

TUTORIALS

TUTORIAL 1: Introduction to Cybersecurity: More than Meets the Eye

Dr. Tye Botting

Research Staff Member, Institute for Defense Analyses

Like almost every system in the Department of Defense, aircraft use or exchange data electronically, which provides cyber threats the opportunity to affect information and military operations.

Thus, almost every aircraft must consider cybersecurity during development, testing, and throughout operations. This tutorial

provides an introductory overview of the key cybersecurity concepts and terminology needed to understand the rationale and techniques employed for assessing and testing cybersecurity of Department of Defense systems. The tutorial concepts and examples are applicable to air, space, ground, and naval systems.

Dr. Tye Botting is a Research Staff Member at the Institute for Defense Analyses. His current work involves providing independent analytical support for cybersecurity in

operational testing to the Director of Operational Test and Evaluation in the Office of the Secretary of Defense. His efforts cover cybersecurity for all DOD acquisition oversight programs. During his two decade career, he has provided analyses of a wide variety of government systems, from U.S. Navy radar systems to space surveillance systems to environmental exposure chambers to nuclear accelerators. Computers and their security have been Dr. Botting's serious interests since the 1980s.

TUTORIAL 2: IRST Kill Chains Revisited: Capability and Vulnerability in an IRST-versus-IRST World

Dr. Matt Juge

Principal System Engineer, Lockheed Martin Missiles and Fire Control

Mark Myers

Senior Staff Electro-Optics Engineer, Lockheed Martin Missiles and Fire Control

Infrared Search and Track (IRST) sensor systems are enjoying a resurgence in popularity, both domestically and abroad. As advanced electronic attack (EA), net-centric warfare (NCW), and longer-range weapons proliferate, blue IRST systems offer opportunities for overmatch, while adversary IRSTs present unique challenges and threats.

This tutorial provides an overview of modern IRST systems, technologies, and mission sets. The tutorial will begin with IR phenomenology that drives waveband selection and the dominant signature and background contributors. The instructors will review the current state of foreign and domestic IRST systems, then explore both the offensive capabilities of IRSTs for passive attack as well as potential defensive techniques to disrupt them. The tutorial will conclude with explorations of possible synergies with other systems and of near-term evolutions of IRST technology.

Dr. Matt Juge is a Principal System engineer

at Lockheed Martin. During his 30 year career he has performed engineering design and analysis of a wide variety of guided missile and fire control systems, including the inertial tracking and passive ranging capabilities of LM's IRST portfolio.

Mr. Mark Myers is a Senior Staff Electro-Optics engineer at Lockheed Martin. His extensive physics background in Infrared and laser phenomenology complements his 25-plus years of first-hand lab, field, and flight experience on land, sea, and in the air with MFC's full array of IRST focal plane and read-out technology from the F-14D IRST up to the latest developments in digital focal planes.

BIOGRAPHIES



ROBERT BEHLER

*Director of Operational Test and Evaluation
Office of the Secretary of Defense*

Robert F. Behler was sworn in as Director of Operational Test and Evaluation

on December 11, 2017. A Presidential appointee confirmed by the United States Senate, he serves as the senior advisor to the Secretary of Defense on operational and live fire test and evaluation of Department of Defense weapon systems.

Prior to his appointment, he was the Chief Operating Officer and Deputy Director of the Carnegie Mellon University Software Engineering Institute (SEI), a Federally Funded Research and Development Center. SEI is a global leader in advancing software development and cybersecurity to solve the nation's toughest problems through focused research, development, and transition to the broader software engineering community.

Before joining the SEI, Mr. Behler was the President and CEO of SRC, Inc. (formerly the Syracuse Research Corporation). SRC is a not-for-profit research and development corporation with a forprofit manufacturing subsidiary that focuses on radar, electronic

warfare and cybersecurity technologies. Prior to working at SRC, Mr. Behler was the General Manager and Senior Vice President of the MITRE Corp where he provided leadership to more than 2,500 technical staff in 65 worldwide locations. He joined MITRE from the Johns Hopkins University Applied Physics Laboratory where he was a General Manager for more than 350 scientists and engineers as they made significant contributions to critical Department of Defense (DOD) precision engagement challenges.

General Behler served 31 years in the United States Air Force, retiring as a Major General in 2003. During his military career, he was the Principal Adviser for Command and Control, Intelligence, Surveillance and Reconnaissance (C2ISR) to the Secretary and Chief of Staff of the U.S. Air Force (USAF). International assignments as a general officer included the Deputy Commander for NATO's Joint Headquarters North in Stavanger, Norway. He was the Director of the Senate Liaison Office for the USAF during the 104th congress. Mr. Behler

also served as the assistant for strategic systems to the Director of Operational Test and Evaluation. As an experimental test pilot, he flew more than 65 aircraft types. Operationally he flew worldwide reconnaissance missions in the fastest aircraft in the world, the SR-71 Blackbird.

Mr. Behler is a Fellow of the Society of Experimental Test Pilots and an Associate Fellow of the American Institute of Aeronautics and Astronautics.

He is a graduate of the University of Oklahoma where he received a B.S. and M.S. in aerospace engineering, has a MBA from Marymount University and was a National Security Fellow at the JFK School of Government at Harvard University.

Mr. Behler has recently been on several National Research Council studies for the National Academy of Sciences including: "Critical Code," "Software Producibility, Achieving Effective Acquisition of Information Technology in the Department of Defense" and "Development Planning: A Strategic Approach to Future Air Force Capabilities."



MARK CHERRY

*Vice President and General Manager
Boeing Phantom Works*

Mark Cherry is vice president and general manager of Phantom Works

for the Boeing Defense, Space & Security (BDS) unit of The Boeing Company. In this position, Mr. Cherry oversees an advanced research and development organization that is responsible for engaging customers through leading-edge visual modeling and simulation; innovating cross-cutting concepts and technologies; prototyping solutions to extend current products and win new programs; and developing new businesses and entering new markets.

Mr. Cherry joined the company November 2017 from Aurora Flight Sciences where he served as president and chief operating officer for the past five years. In this role, he was involved in the development of autonomous systems that include perception, machine learning and advanced flight-control systems.

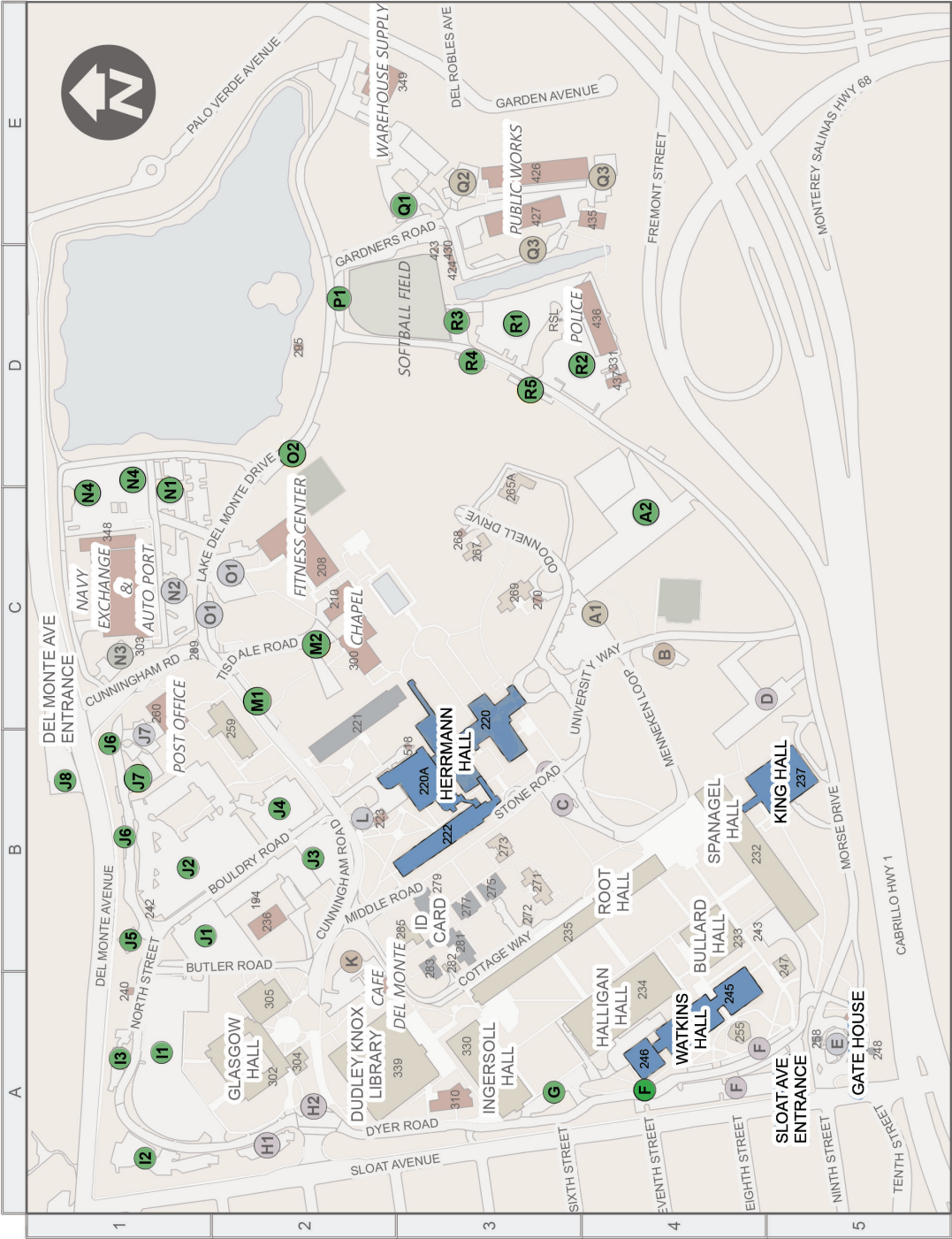
With more than 20 years of aerospace leadership experience, Mr. Cherry has worked on leading-edge technologies at several organizations, including Sikorsky Aircraft, Teradyne Inc. and The Boston Consulting Group.

Mr. Cherry joined the industry after serving as an officer in the U.S. Air Force where he held several acquisition and engineering roles.

Mr. Cherry holds a Master of Business Administration from Stanford University and Master of Science degrees in Systems and Aeronautical Engineering from the Air Force Institute of Technology. He is a graduate of the U.S. Air Force Academy with a Bachelor of Science in Engineering Mechanics.

VENUE MAP

BUILDING KEY	
ACADEMIC BUILDINGS	
Bullard Hall (233).....	B4
Center for Civil-Military Relations (259).....	C2
Dudley Knox Library (339).....	A3
Glasgow Hall (302/304/305).....	A2
Halligan Hall (234).....	A4
Ingersoll Hall (330).....	A3
King Hall (237).....	B5
ME Lecture Hall (255).....	A5
Quad Auditorium (247).....	A5
Reed Hall (310).....	A3
Root Hall (235).....	A3/B4
Spanagel Hall (232).....	B5
Watkins Hall (245/246).....	A4
BASE SERVICES	
Cafe Del Monte (290).....	B3
Chapel/Chaplains Office (300) ...	C2
Dental Clinic (220).....	C3
El Prado Dining (220).....	C3
Fitness Center (208).....	C2
Navy Exchange (NEX, 303).....	C1
Navy Exchange Autoport (345).....	C1
Police Services (436).....	D4
Post Office (260).....	C2
PSD (277).....	C2
Public Works (426/427).....	B3
Recreation Fields/Courts.....	D3/E3
Tickets & Tours (MWR, 220).....	C2/C4/D3
Trident Room Dining (220).....	C3
ADMINISTRATIVE SERVICES	
NSAM Headquarters (271).....	B3
Human Resources (220).....	C3
ID Card Lab (280).....	B3
Main Gate (258).....	A5
Registrar (220).....	C3
Travel Office (300).....	C2
Vehicle Registration (254).....	B5
LODGING	
International Student BOQ	
Herrmann Hall (221/222).....	B3/C3
Navy Gateway Inns & Suites	
Herrmann Hall (220).....	B3



NAVAL SUPPORT ACTIVITY MONTEREY

Monterey, California

AUGUST 2017
POC: Laura Horton NSAM PWD

PARKING KEY

- Open Parking
- Carpool/HOV
- Permit
- Timed
- Restricted

*Motorcycle Parking is located near Lot F, Lot C, and Lot K

**Some lots have mixed parking. Heed signage.

ALL EMERGENCIES DIAL 9-911

POLICE SERVICES.....	656-2555
CHAPLAIN SERVICES.....	656-2555
POST OFFICE.....	656-1734
CHAPLAIN OFFICE.....	333-2241
NPS QUARTERDECK.....	656-2441
VEHICLE PASSID.....	656-3477
NAVY LOGGERS.....	372-8133
TICKETS & TOURS (MWR).....	656-2556
LEGAL OFFICE.....	656-2556
NAVY EXCHANGE.....	373-7277
NSAM HEADQUARTERS.....	656-2279
NAVY GATEWAY INNS.....	656-2060

& SUITES

ALL AREA CODE PREFIXES (831)

SAVE THE DATE!

2019 AIRCRAFT SURVIVABILITY SYMPOSIUM

Evolving Today's Force to Dominate Tomorrow's Threat

Join NDIA's Combat Survivability Division in Monterey in November 2019 for the latest updates on survivability-related technological advances and combat lessons learned, as well as opportunities for candid discussion with researchers, warfighters, government and industry in a classified environment.

November 5 – 7, 2019

Naval Postgraduate School • Monterey, CA

MARK YOUR CALENDER



20TH ANNUAL SCIENCE & ENGINEERING TECHNOLOGY CONFERENCE

The annual S&ET Conference brings together leadership from the DoD research and engineering enterprise, research laboratories, R&D centers, industry, and academia for an overview of the USD(R&E), including top research priorities, reviews of budget requests, overview of services S&T programs, S&T Communities of Interest updates, and technology discussions from DARPA, HSARP, DTRA and others.

April 2 – 4, 2019 • NDIA.org/SET19

San Diego Marriott Mission Valley • San Diego, CA

