5th Annual
MULTI-USE TECHNOLOGY SYMPOSIUM
Kerr McGee Center
Ridgecrest, CA
July 9, 2015

“Bio-Inspired Technologies”
DRAFT

Registration
7:00 – 8:00  Poster Sessions and Exhibits

Introductions
8:00 – 8:15  NAWS Color Guard Presentation
8:15 – 8:35  Welcome and Intro to Symposium – Dr. Bill Hogan, Executive Director, iDEA Hub
8:35 – 8:45  Welcome to Ridgecrest – Mayor Peggy Breeden (confirmed)
8:45 – 9:00  Welcome to China Lake – Mr. Scott O’Neil, Executive Director, NAWCWD (confirmed)

Multi-Use Technology Opportunities
9:00 – 9:30  “Hyperacuity Intelligent Sensor (HYPRIS)”
            Mr. Duncan Stewart, Lamina Systems and Mr. Jeff Radke, Honeywell Corp (confirmed)
9:30 – 10:00  “Bone Derived Materials” - Dr. Paul Goodman, NAWCWD (confirmed)

Coffee Break
10:00 – 10:30  Demonstrations, Poster Sessions and Exhibits

10:30 – 11:00  “Biologically Inspired Predator Tactics for Cooperative Control of Heterogeneous
               Unmanned System Teams” – Dr. Gaemus Tanner, Toyon Research (invited)
11:00 – 11:30  “Advanced Sensors Research” – JBEI, Berkeley, CA (invited)
11:30 – 12:00  “On the Minimum Induced Drag of Wings”
               Mr. Al Bowers, NASA Armstrong Flight Research Center (confirmed)

Luncheon
12:00 – 1:00  No-Host Lunch
1:00 – 1:30  “Biologically Inspired Small Target Detection and Tracking” (confirmed)
            Dr. Partick Shoemaker, Tanner Research, Inc.
1:30 – 2:00  “Advances in Bio-inspired Technologies”
            Dr. Wayne Savage, New Mexico State University (invited)
2:00 – 2:30  “Bio-inspired Self-Sensing Intelligent Materials for Autonomous Vehicles”
            Dr. F.K. Chang, Stanford University (invited)
2:30 – 3:00  “Human Ear Inspired Microwave Target Detection”
            Dr. Hao Xin, University of Arizona (invited)
Coffee Break
3:00 – 3:30 Demonstrations, Poster Sessions and Exhibits

Collaboration Opportunities
3:30 – 4:00 “Bio-inspired Research and Autonomous Systems” – TBD, San Diego, CA (invited)
4:00 – 4:30 “Multi-Use Bio Technology Models” – TBD, Los Angeles, CA (invited)

Conclusion
4:30 – 4:50 Keynote Speaker - Rear Admiral Mat Winter, Chief of Naval Research (confirmed)
4:50 – 5:00 Follow-on Actions and Wrap up – Dr. Bill Hogan, iDEA Hub

Reception
5:00 – 6:00 Location TBD - Social Hour and Networking – (No Host)

Exhibits and Tabletop Displays
The Symposium features speakers from industry, universities and government research laboratories and features research topic poster sessions and exhibits from organizations working “across industries” in the bio-inspired technologies arena.

- AAUW – Ridgecrest, CA (confirmed)
- Booz Allen Hamilton - Ridgecrest, CA (confirmed)
- Deloitte Consulting – Ridgecrest, CA (confirmed)
- Information Systems Laboratories, Inc. - San Diego, CA (confirmed)
- NASA Armstrong Flight Research Center – Edwards, CA (confirmed)
- NAWCWD - China Lake, CA
- Robotics for STEM – Ridgecrest, CA (confirmed)

Demonstrations
- NAWCWD
- NASA

Sponsors
We gratefully acknowledge our co-sponsors: IWV EDC, NDTI, Jacobs NSG, the China Lake Alliance, the Springhill Suites, the Hampton Inn & Suites, City of Ridgecrest, LA EDC, San Diego REDC, Antelope Valley Economic Alliance, Orange County WIB, Ventura County, AERO Institute