



ANTELOPE VALLEY COLLEGE

3rd Annual
**GREATER
ANTELOPE VALLEY**

STEMposium

Science • Technology • Engineering • Mathematics

"A link to our Future"

STEM Education



Business Community



Prosperity

November 5, 2014

Chimbole Cultural Center | Palmdale, CA

PRESENTED BY:

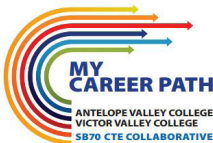
Antelope Valley College | Cerro Coso Community College

California State University Long Beach

Antelope Valley Union High School District

Greater Antelope Valley Economic Alliance

Antelope Valley Board of Trade



Keynote:

MICHAEL W. MELVILL

Mike Melvill retired in October, 2007 as Vice President/General Manager, test pilot and one of 10 owners of Scaled Composites, LLC in Mojave, California. Mike worked for Burt Rutan for 31 years, and has 28 years of experience as an experimental test pilot. He holds an FAA commercial pilot's certificate, ASEL, AMEL, instrument airplane, rotorcraft-helicopter and glider. Mike received his astronaut wings when he became the nation's first commercial astronaut, flying SpaceShipOne to above 100 km on June 21, 2004.

Mike was awarded the Ivan C. Kincheloe trophy in 1999 by the Society of Experimental Test Pilots for high altitude developmental flight testing of the model 281 Proteus aircraft. He was awarded his second Ivan C. Kincheloe trophy at the 2005 annual SETP Symposium for his work flight-testing SpaceShipOne.

Mike holds nine U.S. national and nine world speed and altitude records in Rutan's Catbird, Proteus and SpaceShipOne aircraft. He has flown 10 "first flights" of Burt Rutan's aircraft designs. He is a Fellow of the Society of Experimental Test Pilots. He is an honorary member of Glen Edwards 56th Daedalians Flight, Edwards AFB. He has been a member of AOPA for 45 years. He is a Lifetime Member of the EAA and a member for 41 years.

Special Interest Speaker:

NATHALIE GOSSET

Nathalie Gosset is Sr. Director, Marketing and Technology Innovation Evaluation, at the Alfred E. Mann Institute for Biomedical Engineering at the University of Southern California.

Ms. Gosset has more than 25 years of experience in the development and commercialization of technology-based products. She has woven her engineering, marketing and business expertise throughout her professional life. Prior to AMI, she headed engineering departments and specialized in the turnaround of startup companies with special focus on engineering team leadership (VP of Engineering at Sabeus, Director of Engineering at Novera). She has worked for large companies (Alcatel and ADC Telecom) and at Alcatel, after 10 years in optical design engineering, she became Director of the Program Management Office, overseeing the activities of approximately 600 engineers. Ms. Gosset's efforts have been recognized with an Outstanding Achiever Award and five Quality Cups (a prestigious recognition at Alcatel) for innovative leadership.

PROGRAM

7:30–8:30 a.m. Breakfast | Networking

8–8:30 a.m. Introductions

Ed Knudson, AVC Superintendent | President
Jack Seefus, AVCCD Board of Trustees President
Jim Ledford, Palmdale Mayor

8:30–9:30 a.m. Partners Panel–STEM updates

Moderator Christos Valiotis
CSULB-LUC-Engineering Program Update
—Dr. Ken Santarelli, Director, LUC Engineering Program
Cerro Coso-STEM Program Update
—Dr. Corey Marvin, Vice President Academic Affairs
AVUHSD-STEM Report
—Dr. David Vierra, Superintendent, AVUHSD
AVC Palmdale Center-STEM Program Update
—Sharon Dalmage, Director
AVC SB70 Grant
—Dr. Tom O’Neil, Director

9:30–10:15 a.m. Young Professionals Panel

Moderator Dr. Ken Santarelli

10:15–10:30 a.m. Break

10:30–11 a.m. Special Interest Speaker-Nathalie Gosset

Sr. Director, Marketing and Technology Innovation
Evaluation at the Alfred E. Mann Institute for Biomedical
Engineering at the University of Southern California

11–11:30 a.m. AVC STEM Pathway Progress Report

Christos Valiotis, Director, AVC STEM Programs

11:30 a.m.–12:15 p.m. Industry Panel

12:15–1:30 p.m. Lunch

12:35–1:30 p.m. Keynote Address-Mike Melvill

Scaled Composites—First Commercial Astronaut

STEM HSI & Articulation Grants

Christos Valiotis

STEMposium Co-Chair, Antelope Valley College

Dr. Tom O'Neil

STEMposium Co-Chair, Antelope Valley College

Kimberly Maevers

STEMposium Co-Chair, President, GAVEA

Sharon Dalmage

Director, AVC Palmdale Center

Dr. Dhushy Sathianathan

Associate Dean, CSULB School of Engineering

Dr. Ken Santarelli

Director, CSULB-AV Engineering Program

Dr. Diane Walker

College and Career Readiness Coordinator, AVUHSD

Joel Beckmann

AV Coordinator, National Defense Education Program

Dr. Corey Marvin

Vice President Academic Affairs, Cerro Coso Community College

Dr. Les Uhazy

Dean of Mathematics and Sciences, Antelope Valley College

Bob Johnstone

Chairman, MSET Consortium

Vicki Medina

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FUNDED BY:

- HSI/STEM and Articulation Grants, U.S. Department of Education
- SB70 CTE Collaborative

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