WEDNESDAY, 7 JUNE 2023
0800-0830 Welcome Breakfast

TECHNICAL SESSION

WELCOME
0830
Perry Comeau (AF), Nt’l Research Council Canada
Symposium Chairman

0845 - 0920
“Advanced Tactical Helicopter Operations in Persistent Degraded Environments - Supervised Autonomy Flight Test Lessons Learned”
Bryan Carrothers (M), Nt’l Research Council Canada
Derek Gowanlock, Nt’l Research Council Canada

0920 - 0955
“Dynamic Non-Linear Displays”
John Maris (AF), Cert Center Canada

0955 - 1030
“2Fast, 2Tutor: Lessons Learned From The Modernization of a Military Aircraft Flightdeck”
Marc-Antione Pelletier, AETE
Maciej Hatta (PAM), AETE

1030 - 1045 COFFEE BREAK

1045 - 1120
“Computer Vision Approach for AR Symbology Representation During Aircraft Taxi Operations”
Pratil Pradhan, Toronto Metropolitan University

1120 - 1155
“Development of An Extended Reality Based Flight Simulator for Urban Air Mobility”
Mohen Rostami, Toronto Metropolitan University

1155 - 1300 LUNCHEON

1300 - 1335
“It Ain’t Over Till It’s Over”
William Flynn (F), International Test Pilots School

1335 - 1410
“Establishment of a Turbulence Index Metric to Ensure Safe EVTOL Operations in the Urban Landscape”
William O’Gorman, Transport Canada

1410 - 1445
“Simulation in Flight Test Training - Getting the Balance Right”
Mark Chivers (M), International Test Pilots School
Steve Bigg, International Test Pilots School

1445 - 1515 COFFEE BREAK

1515 - 1615
“Canadian Flight Test”
NRC, AETE, TC, ITPS, CCC

1615 - 1630
SETP Presidential Address
Brian Sandberg (F), Lockheed Martin
SETP President

1630 - 1715
Guest Speaker
Col Josh Kutryk, RCAF
CSA Astronaut

1715 - 1730
Closing Remarks
Best Paper Presentation

1730 RECEPTION

The Society would like to thank our SPONSORS:
THE SOCIETY OF EXPERIMENTAL TEST PILOTS

3rd ANNUAL CANADIAN SECTION SYMPOSIUM

7 June 2023

Hilton Garden Inn Ottawa Airport, Ottawa, Ontario

CANADIAN SECTION OFFICERS

Chairman
Perry Comeau, Nt’l Res. Council Canada (AF)

Secretary
Adam Lowes (M)

Treasurer
Bryan Carrothers (M)

SETP
P.O. Box 986
Lancaster, CA 93584
661-942-9574
setp@setp.org www.setp.org

Laurie Balderas, SETP Executive Director

CORPORATE MEMBERS

ABSI Aerospace & Defense
Adaptive Aerospace Corporation
AeroMech, Incorporated
Aerospace Services International, LLC
AeroTEC, LLC
Air Force Test Pilot School (India)
Airborne Systems Group
Airbus Defence and Space GmbH
Airbus SAS
Alaka’l Technologies Corporation
Ampaire, Incorporated
Bell
Beta Technologies, Inc.
The Boeing Company
Boom Supersonic
Butler Parachute Systems, Inc.
Calspan Corporation
Cert Center Canada
Collins Aerospace
Cruz Associates, Inc.
CubCrafters, Inc.
David Clark Company Incorporated
DCS Corporation
Denmar Technical Services
Empirical Systems Aerospace, Inc.
ETPS
eXAQT Consultant Group
ForeFeathers Enterprises
FTR Enterprises, LLC
Game Composites, LLC
Gauntlet Aerospace
GE Aerospace
General Atomics Aeronautical Systems, Inc.
Gentex Corporation
Gulfstream Aerospace Corporation
G-Unlimited GmbH
Honda Aircraft Company
Honeywell Aerospace Flight Test Operations
Innovative Solutions & Support
International Test Pilot School Canada Ltd.
IPEV - Flight Test and Research Institute
Joby Aviation
The Johns Hopkins Univ. Applied Physics Laboratory
JT4, LLC
KBR
Lockheed Martin Corporation
Martin-Baker Aircraft Company, Ltd.
Mid-Continent Instrument Company, Inc.
MIT Lincoln Laboratory
Modern Technology Solutions, Inc.
Moaive Air and Space Port
National Test Pilot School
North American Aerospace Corporation
Northrop Grumman Corporation
Piper Aircraft, Inc.
Royal Netherlands Aerospace Centre
Saab Aeronautica
Sage Cheshire, Inc.
Scaled Composites, LLC
Skyryse, Inc.
Stratolaunch, LLC
Sunshine Aero Industries, Inc.
Supernel, LLC
Symbolic Displays, Incorporated

CORPORATE MEMBERS CONTINUED

Test Flying Academy of South Africa (TFASA)
Textron Aviation
Thales VISIONIX, Inc.
Tiger Century Aircraft, Inc.
Turkish Aerospace Industries
Vertical Aerospace Group
Virgin Galactic, LLC
Wisk
XP Consulting Services

BOARD OF DIRECTORS

President - Brian Sandberg, Lockheed Martin
Vice President - Andrew McFarland, ATAC
Secretary - Kerry Smith, The Boeing Company
Treasurer - Jameel Janjua, Virgin Galactic
Legal Officer - Kelly Latimer, Virgin Galactic
Executive Advisor - David Nils Larson, NASA
President-Elect - John Tougas, The Boeing Company
Technical Advisor - Eduardo Menini, Embraer
Technical Advisor - Mark Skidmore, RAAF (Ret)

Canadian Section Rep. - Perry Comeau, Nt’l Res. Council Canada
Central Section Rep. - Dan Hinson, Textron Aviation
East Coast Section Rep. - Scott Elwell, CDR, USN
European Section Rep. - Jeremy Tracy, Leonardo Helicopters (Ret)
Great Lakes Section Rep. - James Bieryla, Dept. of the Air Force
Indian Section Rep. - Subash John, Indian AF (Ret)
Northwest Section Rep. - Steve Crane, Allied Approach Group
Southeast Section Rep. - Scott Neumann, Col, USAF (Ret)
Southwest Section Rep. - Tom Currie, Bell
West Coast Section Rep. - Andrew Edgell, Virgin Galactic

THE 3RD ANNUAL CANADIAN SECTION SYMPOSIUM

7 June 2023

Hilton Garden Inn Ottawa Airport, Ottawa, Ontario

CANADIAN SECTION OFFICERS

Chairman
Perry Comeau, Nt’l Res. Council Canada (AF)

Secretary
Adam Lowes (M)

Treasurer
Bryan Carrothers (M)

SETP
P.O. Box 986
Lancaster, CA 93584
661-942-9574
setp@setp.org www.setp.org

Laurie Balderas, SETP Executive Director

CORPORATE MEMBERS

ABSI Aerospace & Defense
Adaptive Aerospace Corporation
AeroMech, Incorporated
Aerospace Services International, LLC
AeroTEC, LLC
Air Force Test Pilot School (India)
Airborne Systems Group
Airbus Defence and Space GmbH
Airbus SAS
Alaka’l Technologies Corporation
Ampaire, Incorporated
Bell
Beta Technologies, Inc.
The Boeing Company
Boom Supersonic
Butler Parachute Systems, Inc.
Calspan Corporation
Cert Center Canada
Collins Aerospace
Cruz Associates, Inc.
CubCrafters, Inc.
David Clark Company Incorporated
DCS Corporation
Denmar Technical Services
Empirical Systems Aerospace, Inc.
ETPS
eXAQT Consultant Group
ForeFeathers Enterprises
FTR Enterprises, LLC
Game Composites, LLC
Gauntlet Aerospace
GE Aerospace
General Atomics Aeronautical Systems, Inc.
Gentex Corporation
Gulfstream Aerospace Corporation
G-Unlimited GmbH
Honda Aircraft Company
Honeywell Aerospace Flight Test Operations
Innovative Solutions & Support
International Test Pilot School Canada Ltd.
IPEV - Flight Test and Research Institute
Joby Aviation
The Johns Hopkins Univ. Applied Physics Laboratory
JT4, LLC
KBR
Lockheed Martin Corporation
Martin-Baker Aircraft Company, Ltd.
Mid-Continent Instrument Company, Inc.
MIT Lincoln Laboratory
Modern Technology Solutions, Inc.
Moaive Air and Space Port
National Test Pilot School
North American Aerospace Corporation
Northrop Grumman Corporation
Piper Aircraft, Inc.
Royal Netherlands Aerospace Centre
Saab Aeronautica
Sage Cheshire, Inc.
Scaled Composites, LLC
Skyryse, Inc.
Stratolaunch, LLC
Sunshine Aero Industries, Inc.
Supernel, LLC
Symbolic Displays, Incorporated

CORPORATE MEMBERS CONTINUED

Test Flying Academy of South Africa (TFASA)
Textron Aviation
Thales VISIONIX, Inc.
Tiger Century Aircraft, Inc.
Turkish Aerospace Industries
Vertical Aerospace Group
Virgin Galactic, LLC
Wisk
XP Consulting Services

BOARD OF DIRECTORS

President - Brian Sandberg, Lockheed Martin
Vice President - Andrew McFarland, ATAC
Secretary - Kerry Smith, The Boeing Company
Treasurer - Jameel Janjua, Virgin Galactic
Legal Officer - Kelly Latimer, Virgin Galactic
Executive Advisor - David Nils Larson, NASA
President-Elect - John Tougas, The Boeing Company
Technical Advisor - Eduardo Menini, Embraer
Technical Advisor - Mark Skidmore, RAAF (Ret)

Canadian Section Rep. - Perry Comeau, Nt’l Res. Council Canada
Central Section Rep. - Dan Hinson, Textron Aviation
East Coast Section Rep. - Scott Elwell, CDR, USN
European Section Rep. - Jeremy Tracy, Leonardo Helicopters (Ret)
Great Lakes Section Rep. - James Bieryla, Dept. of the Air Force
Indian Section Rep. - Subash John, Indian AF (Ret)
Northwest Section Rep. - Steve Crane, Allied Approach Group
Southeast Section Rep. - Scott Neumann, Col, USAF (Ret)
Southwest Section Rep. - Tom Currie, Bell
West Coast Section Rep. - Andrew Edgell, Virgin Galactic