



Newsletter

Volume 34, Number 8, April 2004

Development of Winglets by Aviation Partners

Speaker: Mr. Danny Sikavi
Aviation Partners



The Hawker 800SP, certification of winglets underway

Mr. Danny Sikavi will be speaking on Aviation Partner's development of winglets for commercial aircraft. API has developed and certified winglets for the Gulfstream II and certification is underway on winglets for the Hawker 800. Working in conjunction with Aviation Partners Boeing, winglets have been developed and certified for the Boeing 737 Classic and Next Generation aircraft. Work is currently underway on the development of winglets for other Boeing commercial aircraft.

Danny Sikavi is a consultant in aerodynamics configurations development with 30 years of industry experience. A graduate (B.Sc. & M.Sc.) of Iowa State University, Mr. Sikavi joined the Boeing Company to pursue his interest in wake vortex alleviation after completing his master's thesis in this field. The bulk of Mr. Sikavi's industrial experience has been at Boeing's Commercial and Boeing North American divisions.

Mr. Sikavi has worked on most of Boeing's commercial product lines, 727, 737-classics, 737-NG, 747, 757 and 767. He also has worked on several military airplanes, C-14, B1B, ATF, and F-16XL. Mr. Sikavi has a wide area of expertise in CFD applications; wind tunnel & flights test aerodynamic configurations R&D. He has several publications in areas of confluent boundary layers, paint skin friction drag, and aerodynamic instrumentation development. He is the author of several aerodynamics design and applications computer codes.

For the last 51/2 years Mr. Sikavi has been involved with Aviation Partners working directly under the guidance of Dr. L.B. Gratzner in developing and testing of blended winglets and spiroids with applications to most of the Boeing product line and several business jet configurations.

Joint AIAA/SFTE Lecture - Dinner Meeting

Date: **Tuesday, April 20, 2004**
Place: Old Spaghetti Factory 2801 Elliott Ave, Seattle, WA 98121
Time: 6:00 PM Social, No-Host Bar
6:30 PM Dinner –Chicken parmigiana or fettucine alfredo
7:00 PM Program – “Development of Winglets by Aviation Partners”: Call anytime 425-717-5691 or send email to david.j.paisley@boeing.com or Paul Clement paul.l.clement@boeing.com

Please make reservations by April 16th

Entrée choices are Chicken parmigiana or fettucine alfredo.
Please specify choice when reserving.

Dinner Price:

\$15 AIAA/SFTE Members and Guests

\$18 Non-Members

\$5 Students and Educator Associates

Program Only: **\$5** (Free for persons 17 and under)

A reservation is a commitment to pay!



AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS

PACIFIC NORTHWEST SECTION

BALLOT

For the Election of Council Members and Section Officers, 2004-2005 Section Year

Instructions: Vote for ONE candidate for each position, except advisory council, vote for two. Ballots should be mailed no later than April 30, 2004. Ballots received after May 15th will not be counted. Mark the ballot below and mail to: Laura Kistler, 02-KW, Boeing, Box 3707, Seattle, WA 98124-2207. You may also submit your votes by e-mail to laura.s.kistler@boeing.com. Only one vote per member.

• **CHAIRMAN**

David Paisley _____ []

• **VICE-CHAIRMAN ELECT (Vote for One)**

Paul Kostek _____ []

Paul Moorehead _____ []

• **TREASURER**

Eric Lund _____ []

• **SECRETARY**

Jon Lee _____ []

• **VICE-CHAIRMAN**

David Lednicer _____ []

• **ADVISORY COUNCIL (Vote for Two)**

Doug Ball _____ []

Arun Nadkarni _____ []

Kari Seppanen _____ []

• **TREASURER ELECT (Vote for One)**

Andrew McComas _____ []

Steve Runo _____ []

• **SECRETARY ELECT (Vote for One)**

Monica Alcabin _____ []

(Write In) _____ []

For Vice-Chairman Elect – Paul Kostek



Biographical Sketch: I am presently a Systems Engineer on the Future Combat Systems program, assigned to the Systems of Systems Engineering and Integration team. I'm a Senior Member of AIAA, a Distinguished Lecturer and a past member of the Career Enhancement Committee. My professional experience is in Systems Engineering and project management. I've been involved in the implementation of ISO9000 and associated process standards, systems engineering capability assessments and the implementation and interpretation of DO-178B. I spent 10 years working as a consultant/independent contractor before rejoining Boeing in 2003.

Candidate's Statement: Besides my AIAA experience, I can also offer the Section a wide range of leadership experience in other organizations. This includes serving as the President of the Seattle Metro Chapter of INCOSE (International Council on Systems Engineering) in 2002, President of the IEEE Aerospace & Electronics Systems Society (2000-01) and President of IEEE-USA (1999) and a member of the IEEE Board of Directors.

For Vice-Chairman Elect – Paul Moorehead



Biographical Sketch: Paul Bolds-Moorehead completed his B.S. degree in Aerospace Engineering at Iowa State University in 1985, an M.S. degree in Aeronautics and Astronautics from the University of Washington in 1990, and an M.S. degree in Project Management from George Washington University in 2002. Paul has been employed by The Boeing Company since 1985. He has worked in Aerodynamics Stability & Control Engineering within the Commercial Airplane Group for his entire career. His current position is Lead Engineer and DER for the 777 Stability & Control group. As such he recently completed the flight test and certification activities for the 777-300ER and is preparing for the 777-200LR model. In addition, he is preparing early flight test plans for the 7E7 airplane. In the AIAA section, Paul has served as Treasurer-elect during 2001-2002 and Treasurer during 2002-2003 and 2003-2004 council years.

Candidate's Statement: AIAA Pacific Northwest Section serves a definite purpose as a platform for communication between persons interested in Aerospace in our geographical area. I'd like to continue to play a role in this process. I have held a position in the section council for the past three years and believe I can continue to provide a positive contribution. I solicit any and all advice from the members of the section, and I look forward to serving as your Vice Chair-elect.

For Treasurer -Elect – Andrew McComas



Biographical Sketch: Andrew McComas received his B.S. in Aero. and Astro. from the Univ. of WA in June 2003. As student Crew Chief of the Kirsten Wind Tunnel for three years, Andrew participated in over 120 low-speed wind tunnel tests for companies throughout the world. His contributions to that facility include improvements to training and student access. Andrew is a Bishop-Fleet foundation scholar, recipient of the Dr. Walter F. Hiltner award for leadership and critical thinking, and recipient of an AIAA National Service Citation. He is currently working for Analytical Methods, Inc. of Redmond, WA while obtaining a M.S. in Computational Fluid Dynamics part time from the UW.

Candidate's Statement: As a proud member of the AIAA since 2000, I have always made integrity my highest priority. My experience includes positions as president of the UW AIAA Student Chapter and principal organizer and chairman for the 2003 Region 6 AIAA Student Conference. As an AIAA council member, I would serve the section through dedication and commitment to the objectives of the AIAA.

For Treasurer -Elect – Steve Runo



Biographical Sketch: BS Engineering from Harvey Mudd College (Claremont, CA) with Software Engineering and Business Administration Masters' studies at Seattle University. AIAA Associate Fellow and member since 1976. Former PNW Newsletter Editor, Digital Avionics Executive Committee and Digital Avionics Systems Conference Technical Director. Currently, Director of Tectura Corporation's Aerospace group and System Architect for Boeing Airplane Health Management.

Candidate's Statement: After a decade on a national Technical Committee for AIAA, I am anxious to get involved again with the Pacific Northwest section. The position of Treasurer-Elect demands diligence and financial expertise – values and skills I am continuing to hone as the manager of a national consulting business.

For Secretary –Elect – Monica Alcabin



Biographical Sketch: B.S. in Aeronautical Engineering from MIT (1983) & M.S. in Engineering-Economic Systems from Stanford University (1987). Monica has been involved with AIAA since college. Monica is an Associate Technical Fellow at Boeing, specializing in benefits analysis of CNS/ATM technologies, airport capacity & delay issues, and performance metrics. She serves on the AIAA Air Transportation Systems Technical Committee, TRB Airport & Airspace Capacity & Delay Committee, and Airports Council International – North America Technical Committee. Prior to joining Boeing in 1997, she worked at NASA Ames, MITRE/CAASD, and doing airport consulting.

Candidate's Statement: I've enjoyed the benefits of what AIAA has to offer for more than 20 years and would like to give back by volunteering my time to further the goals of the organization at both the local and national level. I hope to serve as an officer of the PW Section and facilitate where needed.

For Advisory Council – Doug Ball



Biographical Sketch: Doug is the senior manager, Enabling Technologies and Research, Airplane Performance and Propulsion, Boeing Commercial Airplanes, Renton, Washington. He began his professional career at General Dynamics Fort Worth Division where he worked on the F-111 and F-16 airplanes. In his 27 years at Boeing he has worked on the 707, 737, 747, 757, 767 as well as several proprietary programs. He currently serves on advisory committees to NASA, National Research Council, and Ohio State University.

Candidate's Statement: The Pacific Northwest section has among its current and former members some of the biggest names in the industry. I would like to work to make sure that our section enjoys that same recognition.

For Advisory Position – Arun Nadkarni

NO
PHOTO
AVAILABLE

Biographical Sketch: Arun Nadkarni joined Boeing Commercial Airplane Company in 1981. Since then, he has mostly worked in Flight Controls Research, 737, and 777 Flight Controls group. He worked on 777-200 Fly-By-Wire Primary Flight Control System. Since 1996, he is with 747/767/777 Flutter group and currently working on 777-200R and 7E7 flutter analysis. He has been a member of AIAA since 1978, and in 1995 was nominated as an Associate Fellow. He also has been teaching a series of off-hour Control Systems courses at Boeing on a regular basis since 1982.

Candidate's Statement: I strongly feel that in difficult times at present, AIAA is the most important body representing valuable resource to the aerospace engineers. My interest in Aeronautics/Space spurred my daughter's decision to major in Aerospace Engineering. She has encouraged me to take active part in the AIAA activities and I am looking forward to participate in the activities of the Pacific Northwest Section Council. As a Member of the Advisory Council, I would strive to increase the value of the membership in AIAA in the Pacific Northwest Section for you. I would particularly strive to encourage young engineers to join AIAA in greater numbers and bring the benefits of AIAA to them.

For Advisory Position – Kari Seppanen

NO
PHOTO
AVAILABLE

Biographical Sketch: SB and SM in Aero/Astro from MIT. Flight Test engineer at GE Aircraft Engines and Boeing for almost 30 years. Currently in Boeing Commercial Airplanes Flight Test as an aerodynamics engineer. Member of the AIAA Flight Test Technical Committee, past President of the Seattle Chapter of the Society of Flight Test Engineers (SFTE), and current member of the SFTE International Board of Directors. Commercial Pilot with Instrument and Multi-Engine ratings; owns and maintains two aerobatic airplanes.

Candidate's Statement: I worked with AIAA in 2002-03 to combine the AIAA and SFTE dinner meetings. Currently I attend the monthly AIAA Council meetings as an unofficial SFTE liaison, and I would like to continue the close cooperation between our two local professional societies.

Section website: http://www.geocities.com/aiaa_2000/index.html
 National website: <http://www.aiaa.org>

Please submit newsletter materials to Joe Dortwegt by the 23rd of April for the May Newsletter.

Outstanding Section Awards	Membership Award
1972-1973	1997-1998
1977-1978	Young Member
1978-1979	Activity Awards
1991-1992	1990-1991
1993-1994	1991-1992
1994-1995	1994-1995
1994-1995	1995-1996
Section Special Event Awards	Career Enhancement Award
1976-1977	1997-1998
1977-1987	Newsletter Awards
1978-1979	1994-1995
1982-1983	1995-1996
1987-1988	1996-1997

A PUBLICATION OF AIAA THE PACIFIC NORTHWEST SECTION
Address Corrections

Send to: **AIAA**
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Now make corrections on-line at
<http://www.aiaa.org>
 (Join/Renew/Update). Membership ID needed

Section Officers and Directors

Position	Name	Address (Mail stop if Boeing*)	Phone	Email address
Council				
Chairman	Vera Martinovich	02-XJ	425-266-8664	vera.a.martinovich@boeing.com
Vice-Chairman	Dave Paisley	03-52	425-717-5691	david.j.paisley@boeing.com
Secretary	Joe Dortwegt	03-52	425-294-0054	joseph.dortwegt@boeing.com
Treasurer	Paul Moorehead	67-65	425-237-5176	paul.j.moorehead@boeing.com
Advisory Council	William Gjertson	8J-72	253-773-3090	william.g.gjertson@boeing.com
Advisory Council	Billy Roeseler	02-KW	425-266-9270	wm.g.roeseler@boeing.com
Advisory Council	Martin Gibbins	4E-11	206-655-2727	martin.n.gibbins@boeing.com
Advisory Council	Scott Eberhardt	P.O. Box 352400, UW, Seattle, WA 98195	206-543-6508	scott@aa.washington.edu
Past Chairman	Laura Kistler	02-KW	425-294-8520	laura.s.kistler@boeing.com
Elected, non-voting				
Vice-Chairman-Elect	Dave Lednicer	2133 152nd Ave NE/Redmond, WA 98052	206/746-1299	dave@amiwest.com
Secretary-Elect	Jon Lee	5108 71st Way NE, Olympia, WA 98516	206-934-9782	drwatson@u.washington.edu
Treasurer-Elect	Eric Lund	505 5 th Ave. S., Suite 300, Seattle, WA 98104	206-438-0612	elund@andrews-space.com
Appointed				
Webmaster	Jane Kuta	8A-94	253-773-5759	jane.f.kuta@boeing.com
Honors & Awards	Scott Eberhardt	P.O. Box 352400, UW, Seattle, WA 98195	206-543-6508	scott@aa.washington.edu
Retired Members	Tom Holgate	2704 SW 314th, Federal Way, WA 98023-7842	253-838-0333	holgatz@aol.com
Newsletter	Open			
Nominations	Laura Kistler	02-KW	425-294-8520	laura.s.kistler@boeing.com
Evolution Of Flight	Ben Sarao	1432 242 nd Place SE, Sammamish, WA. 98075	206-768-7166	bmsarao@hotmail.com
Museum of Flight Liaison	Open			
Pre-College Outreach	Scott Eberhardt	P.O. Box 352400, UW, Seattle, WA 98195	206-543-6508	scott@aa.washington.edu
Public Policy	Karl D'Ambrosio	5026 18 th Avenue NE, Seattle, WA 98105	253-395-3710	karld@emfcowa.com
Young Professionals	Emmanuel Domingo	2779 NE Liberty, Gresham, OR 97030	206 227-7819	E_domingo@hotmail.com

* All Boeing people have the address of P.O. Box 3707, Mail Code xx-xx, Seattle, WA 98124-2207



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PACIFIC NORTHWEST SECTION

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AIAA
 Pacific Northwest Section
 Attn: Joe Dortwegt
 14619 62nd Pl W
 Edmonds, WA 98026