

Looking Back/Forward for IAPSAM

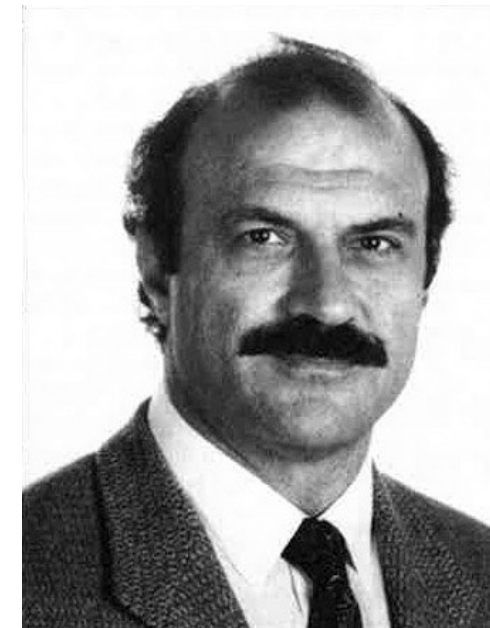
CURTIS SMITH, PSAM 16 GENERAL CHAIR

The “PSAM Map”



PSAM 1 - USA

- February 4-7, 1991, Beverly Hills, California
- General and Technical Program Chairman, **George Apostolakis**
- Senior Advisory Board
 - B.J. Garrick, PLG Inc., Chairman
 - G.W. Elverum, Jr., TRW, Inc.
 - T.A. Meaker, European Space Agency
 - V. Pilz, Bayer AG
 - G.I. Schueller, University of Innsbruck
 - B. Tolley, Commission of the European Communities
 - C.A. Cornell, Stanford University
 - K. Inooue, Kyoto University
 - D. Okrent, University of California, Los Angeles
 - N.C. Rasmussen, MIT
 - A.D. Slay, Gen. USAF Ret., Slay Enterprises, Inc.
- Local Organizing Committee
 - D.G. Browne, University of California, Los Angeles
 - L.R. Froebe, IT Corporation
 - V. Ho, University of California, Los Angeles
 - M. Kazarians, A.D. Little, Inc.
 - M.G. Stamatelatos, ASI Systems International
 - A.A. Dykes, PLG Inc.
 - S.B. Guarro, The Aerospace Corporation
 - S. Kaplan, PLG Inc.
 - R.J. Mulvihill, Planning Research Corporation



PSAM 2 - USA

- March 20 - 25,1994, San Diego, California
- GENERAL PROGRAM CHAIRMAN, Michael G. Stamatelatos
- ASSOCIATE GENERAL CHAIRMAN, Doug Orvis
- SENIOR ADVISORY BOARD
 - B. J. Garrick, PLG, Inc., Chairman
 - A. H. S. Ang, University of California, Irvine
 - J. E. Fitzgerald, Jr., US Dept. of Energy
 - D.Y. Hsia, Institute of Nuclear Energy Research, Taiwan
 - S. Kondo, University of Tokyo
 - N. C. Rasmussen, Massachusetts Institute of Technology
 - A. Amendola, Commission of EC
 - A. T. D. Butland, SRD, United Kingdom
 - V. L. Grose, Omega Systems Group
 - V. Joksimovich, Accident Prevention Group
 - J. Meltzer, The Aerospace Corporation
 - L. Ybarrondo, Scientech, Inc.
- CONFERENCE LOCAL ORGANIZING COMMITTEE
 - A. A. Dykes, PLG, Inc., Chairman
 - D. Henneke, TENERA
 - A. Mosleh, University of Maryland
 - N. Sankaran, UNOCAL Corporation
 - D. Bley, PLG, Inc.
 - V. Ho, PLG, Inc.
 - R. Mulvihill, PRC, Inc.
 - N. O. Siu, INEL
 - S. Guarro, The Aerospace Corporation
 - M. Kazarians, Kazarians & Associates
 - D. Orvis, APG
 - M. Stamatelatos, Scientech, Inc.



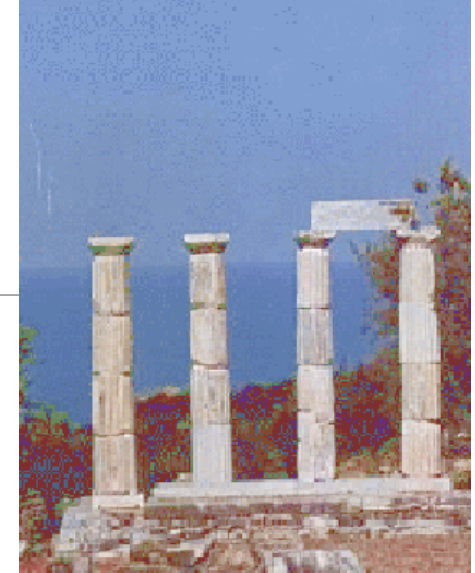
Conference success!

- The success of the first two conferences led to calls for a series of conferences
- The magnitude of the required effort necessitated the creation of a corporation to handle the administrative and financial affairs associated with these conferences
- The International Association for PSAM (IAPSAM) is a California not-for-profit corporation whose sole purpose is the operation of the PSAM conferences
- It has a Board of Directors that consists of risk and reliability experts from around the world
- The General Chair of the PSAM Conference is the President of IAPSAM

The first IAPSAM Board

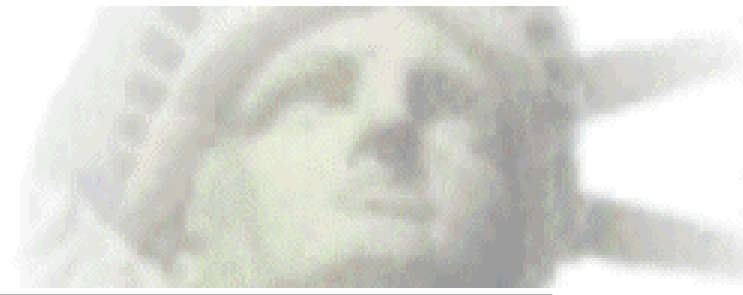
- I. A. Papazoglou, President, Greece
- A. A. Dykes, Treasurer, USA
- D. C. Bley, USA
- E. I. D. Harvey, United Kingdom
- P. Kafka, Germany
- A. Mosleh, USA
- D. Orvis, USA
- M. G. Stamatelatos, USA
- G. E. Apostolakis, Secretary, USA
- R. A. Bari, USA
- P. C. Cacciabue, Italy
- S. B. Guarro, USA
- S. Kondo, Japan
- R. J. Mulvihill, USA
- N. O. Siu, USA

PSAM 3 - Greece



- June 24 -28, 1996, Crete, Greece
- Organized by: ESRA (The European Safety and Reliability Association) and IAPSAM (International Association for Probabilistic Safety Assessment and Management)
- General Program Chairman Dr. Ioannis A. Papazoglou
- Senior Advisory Board
 - Volta, G. EC, JRC, Chairman
 - Garrick, B. J., PLG Inc., USA
 - McQuaid, J., Health & Safety Executive, UK
 - Ale, B. J. M., RIVM, NL
 - Apostolakis, G., MIT, USA
 - Hsia, D.Y., Institute of Nuclear Energy Research, Taiwan
 - Sato, S., Nuclear Safety Research Association, Japan
 - Betrand, Y., ISDF, F
- Conference Organizing Committee
 - Apostolakis, G., MIT, USA
 - Cacciabue, P. C., European Commission, JRC
 - Cojazzi, G., European Commission, JRC
 - Kafka, P., GRS, D
 - Karvounakis, G., Demokritos, GR
 - Papazoglou, I. A., Demokritos, GR
 - Parisi, P., European Commission, JRC
 - Wu, J. S., ASCA Inc., USA

PSAM 4 - USA



- September 13-18, 1998, Grand Hyatt Hotel, New York City
- The purpose of the conference is to provide a forum for presentation of innovative methods and applications of risk-informed approaches to improve the design and operation of technological systems and processes from the economic and safety points of view.
- General Chairman, Dr. Robert Bari
- Technical Program Chairman, Professor Ali Mosleh
- Assistant General Chairmen: Joseph Fragola, USA, Peter Kafka, Germany, Shunsuke Kondo, Japan
- Gala Dinner (Wednesday) was onboard the Intrepid Sea*Air*Space Museum which is docked on the Hudson River



PSAM 5 - Japan

- November 27 - December 1, 2000, Osaka International Convention Center, Osaka, Japan
- Honorary Chair, Hideo Uchida, Professor Emeritus, The University of Tokyo, Japan
- General Chair, Professor Shunsuke Kondo, The University of Tokyo, Japan
- Technical Program Committee Co-Chairs
 - Professor Shunsuke Kondo and Professor Kazuo Furuta, University of Tokyo, Japan

PSAM 6 - USA

- 23 - 28 June 2002, San Juan, Puerto Rico USA
- General Chair, E. J. (Tito) Bonano, USA
- General Vice Chair, Nestor R. Ortiz, USA
- Technical Program Chair, Allen Camp, USA
- The Gala Dinner “Puerto Rican Night” was on Wednesday at Ballajá Building in Old San Juan
 - Cocktails, Dinner, Folkloric Show, Dancing to Latin Music



PSAM 7 - Germany



- June 14 to 18, 2004 - Hotel Inter-Continental - Berlin, Germany
- Following the first well-received joint conference in 1996, this Conference marked the second occasion of the joint meeting of two successful conference series which are held regularly (IAPSAM and ESREL)
- General Chair, Cornelia Spitzer, Germany
- Technical Programme Chair , Ulrich Schmocker, Switzerland
- Associate General Chair , Enrico Zio, Italy
- Associate Technical Chairs
 - Sabyasachi Chakraborty, Switzerland
 - Michael Faber, Switzerland
 - Stefan Hirschberg, Switzerland
- Scientific Secretary, Vinh Dang
- Gala Dinner, Wednesday at the German Museum of Technology Berlin

PSAM 8 - USA

- May 14-18,2006, New Orleans, Louisiana, USA
- GENERAL CO-CHAIR, Dr. David Johnson, USA
- GENERAL CO-CHAIR, Dr. Laura J. Steinberg, Tulane University
- TECHNICAL PROGRAM CO-CHAIRS
- Dr. Harold Blackman, Idaho National Laboratory
- Dr. Michael Stamatelatos, NASA
- “Many individuals have expressed concern regarding how the aftermath of hurricanes Katrina and Rita have impacted our plans to hold PSAM 8 in New Orleans next May.”
- “The organizing committee is viewing our commitment to the New Orleans area as an opportunity to learn from the natural catastrophes and to come away with a better perspective on how risk-based methods can assist in both preparing for and responding to such events.”



PSAM 9 - China

- 18-23 May 2008 Hong Kong • China
- Chairman: Ir Dr. Vincent Ho (VS)
- Program Management Committee
 - Vincent FONG
 - Tommy CHAN
 - Kenneth LEUNG



PSAM 10 - USA

- 7-11 June 2010, Renaissance Seattle Hotel, Seattle, Washington, USA
- Conference General Chair, Bruce P. Hallbert
- Technical Program Committee, Harold Blackman



PSAM 11 - Finland

- June 25-29, 2012, Helsinki, Finland
- Honorary Chair, George Apostolakis
- General Chair, Reino Virolainen
- Program Committee Chair, Terje Aven



PSAM 12 - USA

- June 2014, Honolulu, Hawaii, USA
- General Chair, Dr. Todd Paulos
- General Vice Chair, Prof. Stephen Hora
- Program Committee Chair, Dr. Curtis Smith
- Assistant Technical Program Chairs
 - Steve Epstein
 - Vinh Dang
 - Ted Steinberg

From the Photo Album



PSAM 13 - Korea

- October 2-7, 2016, Seoul Korea
- Honorary Chair, KunMo CHUNG
- General Chair, Chang Kue PARK
- Advisory Committee Chair, Soon Heung CHANG
- Technical Program Committee Chair, Moosung JAE
- Organizing Committee Chair, Joon-Eon YANG





PSAM 14 - USA

- September 16-21, 2018, UCLA Luskin Conference Center, Los Angeles, CA
- General Chair, Dr. David Johnson
- Program Committee Chair, Prof. Enrique Lopez Droguett
- Honorary Chair, B. John Garrick
- Associate General Chairs
 - Mihai Diaconeasa
 - Woody Epstein
- Associate Technical Program Chairs
 - Katrina Groth
 - Di Zhang

PSAM 15 - Italy

- November 1-5, 2020, Venice, Italy
- The “COVID PSAM Conference”
- General Chair, Enrico Zio
- General Co-Chair, Terje Aven
- Technical Program Chairs
 - Piero Baraldi
 - Francesco Di Maio
- Technical Program Co-Chair, Johan Sörman



In remembrance – Steve Epstein

Steven Epstein, a. k. a.
Woody

In Memoriam
1948 to 2019



Woody in 1981 in Israel
working the cotton harvest

He then returned to the U.S
where he attended Case
Western Reserve University
and received degrees in
philosophy, mathematics,
and computer science



In remembrance – Ioannis Papazoglou

Ioannis Agamemnon
Papazoglou

In Memoriam
1950 to 2021



Background

- Yannis earned his undergraduate degree in electrical & mechanical engineering from the National Technical University of Athens in 1972
 - Then entered graduate school in nuclear engineering at MIT
 - He received his Master of Science degree in 1974
 - Then started his Ph.D. studies on PRA as applied to nuclear reactors
 - His thesis work was conducted at Brookhaven National Laboratory (BNL), during 1975-1977 under Dr. Robert A. Bari
 - Yannis' doctoral thesis "Markovian Reliability Analysis Under Uncertainty with An Application on The Shutdown System of The Clinch River Breeder Reactor."
 - He returned to BNL and stayed until 1985, then went to the Greece National Center for Scientific Research (NCRS) "DEMOKRITOS"
- Yannis had many years of service dedicated to IAPSAM and the PSAM conferences
 - Yannis was President and Board of Directors of IAPSAM from 1994-1996
 - Member of the IAPSAM Board of Directors 1996-2002
 - He was the General Chairman of PSAM 3 (Greece)
 - He was the Co-General Chair of PSAM 11 (Finland)



Bob Bari and Ioannis at the Acropolis after a PRA conference in September 1984

Bob noted that they also went to Delphi to visit the site of the Oracle (to do some important Bayesian updating)

After Ioannis completed his doctorate in nuclear engineering at MIT, he returned to Greece to fulfill his requirement to serve in the Greek army (to maintain his Greek citizenship).

After completing his military service, he returned to the U.S. working at BNL before permanently returning to Greece.

Bob Bari noted that when he was a group leader at BNL, he attached this photo to his office door (to help encourage his staff to meet milestones and stay within budget)



The IAPSAM Logo

- You may have notice that “the Logo” has varied over time
- I recently asked who developed the "IAPSAM logo?"



- From Bob Bari
 - Ali Mosleh is the original designer of the logo. I recall discussing it with him during the early days of preparation for PSAM 4. I think he also told me that it has a resemblance to a Persian or maybe an Islamic symbol. What I do remember best are the great times Ali and I had during our planning and execution of PSAM 4.
- Ali responded
 - The logo has the following element:
 - 1. Pyramid: symbol of safety and stability
 - 2. Globe inside: symbol of international character of the conference — the globe in my version had a a more visible soft/ fuzzy border symbolizing probabilistic focus of the conference
 - 3. Color : Persian Blue (also known as Delft Blue) symbolizing the ultimate goal of conference: “saving lives, protecting the environment, and overall betterment of society”

IAPSAM Current Board

• President	Enrico Zio	Politecnico di Milano, Italy	2024
• Secretary	Bruce Hallbert	Idaho National Laboratory, USA	2022
• Treasurer	Todd Paulos	Alejo Engineering, Inc., USA	2022
• PSAM 16 General Chair	Curtis Smith	Idaho National Laboratory, USA	2022
• Marina Roewekamp	GRS, Germany		2028
• Enrique Lopez Droguett	University of Chile		2024
• Johan Sorman	Lloyd's Register		2024
• Ronald Boring	Idaho National Laboratory, USA		2026
• Jiejuan Tong	Tsinghua University, China		2026
• Michael Beer	Leibniz Universität Hannover, Germany		2028
• Moosung Jae	Hanyang University (HYU), Korea		2028
• Koji Shirai	Central Research Institute of Electric Power Industry, Japan		2028
• Zahra Mohaghegh	University of Illinois at Urbana-Champaign, USA		2028

PSAM 16 info

- The first abstract that was submitted was AL3
 - Alexander Grundler, August 23, 2021
- The first paid registration was
 - Elisabeth Pate-Cornell, March 8, 2022
- The longest session name
 - National Academies' Panel on Evaluation of the Transport Airplane Risk Assessment Methodology
- The shortest session name
 - NASA I
- We had a total of 220 paid registrants
 - Of that, 17% were students
- We had a total of four plenaries, 65 sessions, and 131 presentations

