



Michael H. Bruno TAGA AWARD

2019



**Presented at the 71st
Annual Technical Conference of the
Technical Association of the Graphic Arts**

Minneapolis, Minnesota, USA

March 19, 2019



Michael H. Bruno

T A G A A W A R D

Michael H. Bruno TAGA Award For Outstanding Contributions to the Graphic Arts Industry

The Technical Association of the Graphic Arts is an international organization of technologists, scientists, technical, and production personnel in the printing and allied industries, as well as students in accredited graphic arts programs. It was established in 1948 as a forum for reporting on new research and technology in the graphic arts. It has a long history of distinguished annual conferences at which technical papers on graphic arts subjects are presented. The annual volumes of *TAGA Proceedings* are the published records of these papers by leading technical and scientific men and women who have contributed immeasurably to the progress of printing technology and graphic science throughout the world.

The Board of Directors of TAGA hereby recognizes a professional with a distinguished career to receive the 2019 TAGA Michael H. Bruno Award in appreciation of his dedicated service and contributions to the advancement of graphic arts internationally.

As evidence of this honor, the awardee will receive the Michael H. Bruno Award. This award is named for the late Michael H. Bruno. Printing was his vocation for his entire working life. He was a kind and gentle man who was passionate about printing and the people who produced it. In his own words, "I had the good fortune to be where the action was during the most active period since printing was invented." We, in turn, were very fortunate to know Michael. Everyone who knew him or knew of him respected him and his incredible knowledge of the industry. What a wonderful legacy to leave for the world.

Presented here is a summary of the accomplishments of this year's distinguished recipient of the Michael H. Bruno Award.





Michael H. Bruno

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2019 Bruno Award Recipient: Mike Scrutton

Mike Scrutton was recruited by Hyphen Ltd. in Diss, England while studying at the University of Warwick, where he graduated with a B.Sc. in Computer Science in 1992. At Hyphen, Mike developed new halftoning solutions, including pioneering the use of FM screening at the *Newcastle Chronicle and Journal* newspaper in northern England. Mike presented his work at the Seybold Conference



1994 in Boston, MA at 23 years old. During his time at Hyphen, Mike worked on and led multiple PostScript RIP product teams, Hyphen being best known for its Adobe clone technology. In 1995, Mike helped facilitate a management buyout of Hyphen intellectual property and was the first employee at HyWay Ferranti Ltd. as Director of Research and Development, bringing several colleagues to continue the development of its parallel processing RIP.

The formation and work of HyWay Ferranti drew the attention of Adobe Systems, who at the time were looking to expand their presence in Europe. In 1997, Adobe acquired HyWay Ferranti primarily for the expertise of Mike and the team of experienced engineers, who became the nucleus of Adobe's first development organization outside of the USA based in Norwich, England. On joining Adobe, Mike led teams developing solutions for printing OEMs, including both desktop and industrial manufacturers. His first patent was awarded for a color calibration technique for inkjet printers in 1999.

As the complexity of digital print workflows expanded, Mike became heavily involved in the Job Definition Format (JDF), being one of the early contributors to the CIP4 specification. Mike served on CIP4's Technical Steering committee and as chair of the



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Job Messaging Format working group from its inception in 2000 until 2011 and continues to serve on the Advisory Board of CIP4.

Mike's work in print workflows at Adobe expanded to include responsibility for end-to-end designer-to-printing solutions, including the early support of JDF in Adobe InDesign and Acrobat enabling design, review, and printing of jobs controlled by JDF. With Mike's support, JDF control was added to Adobe's RIP products—initially PostScript RIPs and culminating in the JDF control of Adobe's PDF-native RIP, the Adobe PDF Print Engine.

In 2007, Mike relocated to Adobe's headquarters in San Jose, California to manage the team implementing version 2 of the PDF Print Engine. Under Mike's leadership, the product became Adobe's flagship RIP, powering production printing worldwide and expanding beyond its initial computer-to-plate focus to be recognized as the industry's benchmark for high-performance inkjet systems. Fifteen years after Mike's first work on multi-processing RIPs, the PDF Print Engine was expanded to support highly parallel solutions, enabling the real-time printing of Variable Data Printing using the PDF/vt standard.

Mike's work at Adobe continues to involve a focus on end-to-end workflows from design to print. His work has evolved to include responsibility for new digital manufacturing technologies, including 3D and textile printing, as well as printing from mobile devices. In his present role as Director of Print Technology and Strategy for Adobe, Mike is currently leading initiatives for the design and manufacture of fabrics for fashion and furnishing, as well as workflows enabling on-demand printing and manufacturing. He routinely works with end users, brands, vendors, and OEMs and enjoys the opportunity to represent many talented engineers around the world including a significant team in Noida, India. He represents Adobe speaking at industry shows and conferences, including recently at FESPA, SGIA, AATCC and PIA, and serves as Chair of the Steering Committee for the Mopria Alliance developing standards and solutions for mobile printing.



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Previous Honorees

2018

Dr. Mark FJ Bohan

2017

Lawrence Warter

2016

Tony Bean
Paul Cousineau

2015

Guy Gecht
Frank Romano
Erwin Widmer

2014

Sam Ingram
Yoshiharu Komori
George Ryan

2013

Anthony Stanton

2012

James C. King
John E. Warnock

2011

Richard Goodman

2010

Bernard Pineaux

2009

Patrice J. Mangin

2008

Tim C. Claypole

2007

Bruce Blom

2006

Robert Chung

2005

Helene Juhola

2004

Harvey Levenson

2003

Nils Enlund

2002

Takashi Numakura

2001

Ing Helmut Kipphan
Irving Pobboravsky
William Ray

2000

Mitsuo Kaji

1999

Joel Rubin
Walter Zawacki

1998

Jacqueline Fetsko
Franz Sigg

1997

Edward Granger
Raymond Prince

1996

Gary Field
David McDowell

1995 – Orlando

Eiichi Inoue
Patrice Dunn

1995 – Paris

Anthony Johnson

1994

Kurt Schlapfer

1993

Paul Borth
Ing Uwe Gast

1992

Richard Fisch
Milton Pearson

1991

Sven Ahrenkilde
Brian Chapman
Charles Rinehart

1990

Robert Downie
Thomas Fadner
Tapio Lehtonen

1989

H. Brent Archer
S. Thomas Dunn

1988

James Cox
Philip Evanoff
Lawrence Wilson

1987

Werner Gerlach
Warren Rhodes
Kenneth West

1986

John MacPhee
J. Tom Morgan, Jr.
Miles Southworth

1985

Jean Chevalier
Emilio Gerboni
Simo Karttunen
Bryan Sunderland

1984

Robert Bassemir
Kurt Pfahl

1983

William Schreiber
William Somerville

1982

Gordon Johnson
Herbert Phillips

1981

John Crosfield
George Jorgensen

1980

William Schaeffer
Philip Tobias

1979

Harvey George
Richard Maurer
John McMaster

1978

Bernard Halpern
Francis Wurzburg, Jr.

1977

Albert Materazzi
Robert Rossell
Earl Sundeen
William Walker

1976

Michael Bruno
Paul Hartsuch
Frank Preucil
John Yule



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