This year marked the 59th year of the Annual Technical Conference. This year’s program was held in Pittsburgh, Pennsylvania March 18–21, 2007. The TAGA delegates were welcomed to Pittsburgh with a reception that included snow and a St. Patrick’s Day parade. The conference itself was attended by 175 people, and 52 of those attendees were students from various TAGA chapters. This year’s conference of researchers, scientists, and technical specialists spanned all facets of the graphic arts industry and all corners of the globe. Attendance at this year’s conference was an all-time high compared to the past several years despite the surprise snow storm that temporarily crippled the East Coast of the United States. Delegates and speakers braved the weather in spite of the snow and made it to Pittsburgh to join their colleagues for the ATC.

The conference kicked off on Sunday with four excellent keynote presentations speaking on different perspectives of their views of the future of printing. Monday and Tuesday were critical days for sessions on ink, color, digital printing, flexography, gravure printing, and packaging. The conference was also a great forum for poster presenters this year. Eleven papers were in the poster format, and the presenters were available during breaks to discuss their research. These poster papers will be included in the proceedings that will be coming out this summer. The conference wrapped up on Wednesday with a lively tour of PIA/GATF where the attendees were given a complete tour of the facility’s capabilities and then got to see the web press print at high speed.

The conference was filled with a worldwide perspective on numerous graphic arts technologies from research done around the globe. The compilation of the hard work of the presenters will be made available in a few months when the final conference proceedings go to press and are mailed out to members and conference attendees. On behalf of the staff of TAGA, please do not hesitate to contact the office in Sewickley if you have any questions or concerns.

Sincerely,

Mark Bohan, PhD
TAGA Managing Director
Vice President, Research and Technology, PIA/GATF
It’s been a lovely two years being TAGA president: it is a great job, despite the low pay and the often surprisingly longish hours. However, when I took over, I was blessed with several good circumstances: George Ryan and Judy Allen had finished the transition as, respectively, TAGA administrator and assistant. That meant I had knowledgeable and competent folk in administrative roles to help me get things done. While TAGA provided moneys to PIA/GATF to pay for George and Judy’s time, they personally never got one cent more for their efforts on behalf of TAGA. And often they worked more time than we really reimbursed PIA/GATF. I had Tim Claypole as both VP, Technical Papers and publisher of the TAGA Journal. He would do both jobs admirably well. Two solid technical programs at Vancouver 2006 and Pittsburgh 2007 are testimony to his Papers Chair efforts, and the quality issues of the TAGA Journal testify to his skills as an editor and publisher. And I had a great board, led by Tony Stanton as executive VP, Graham Battersby as treasurer, Chuck Gehman as VP, Membership and Publicity, and the aforesaid Tim Claypole. A total of sixteen other people served as board members during my term as President: I salute them all for their commitment to their roles. For example, 13 of the 17 then current members participated in a meeting held during GRAPH EXPO last October.

During these two years we have seen some very good things happen to TAGA. Our finances, somewhat shaken by the market declines in 2000 and business declines caused by 9/11 and the subsequent membership declines, rebounded dramatically. We are now in sound fiscal condition. We have an established TAGA Journal and an available DVD of 30 years of TAGA Proceedings for sale. Our web presence within the PIA/GATF site is active and getting better as PIA/GATF makes upgrades. Our last meeting in Pittsburgh had everything: the highest turnout in four years, three prominent awards to TAGA members, including the Michael H. Bruno Award to former President Bruce Blom, new student chapters participating, an excellent program, and a superb venue praised by all attendees. Let us extend kudos to Gwen Martin as conference manager and the new managing director, Mark Bohan, and new administrator, Cathie Meyers. We received excellent recognition from the trade press, notably Graphic Arts Monthly, and made a profit. The succession is in good hands with the transition last fall to Mark and Cathie and this June to Tony Stanton as president and Bjorn Kruse as executive VP. But I would not be honest if I didn’t acknowledge that there are a few potential clouds rolling in overhead. Our total membership is stabilizing after almost fifteen years of continuous decline, but at a level 70% below our peak and probably at barely a sustainable level. Tony and his new board will have to make a big effort to increase membership. The TAGA Journal is an excellent publication, but it needs a much higher circulation to really have an impact in the World of Letters. The next Annual Technical Conference scheduled for March 2008 in San Francisco should be a great meeting; our new Papers chair, Wandee Poolpol, is already preparing a great program, but we need a commitment from all to make it the best gathering yet.

Outgoing president Richard Goodman and incoming president Tony Stanton Ph.D.

As immediate past president, I will still be active on the new board under Tony’s leadership, and I look forward to helping him succeed and bringing TAGA to even greater heights. I thank you all for the opportunity to have led TAGA for the past few years.

Respectfully submitted,

Richard M. Goodman
Cal Poly TAGA Student Chapter wins Kipphan Cup Grand Prize and Attendee’s Choice Award

While there were many excellently produced Student TAGA Publications spot-lighting student skills in technical writing, design, and production from the TAGA student chapters at Rochester Institute of Technology, Western Michigan University, Ryerson University, Clemson University, and University of Wisconsin-Stout, the Cal Poly chapter from San Luis Obispo, California, captured the top honors in this year’s Student Technical Publication competition. The newly introduced Helmut Kipphan Cup was presented to the chapter at the TAGA Annual Awards Dinner by TAGA board members Bernard Pineaux and Eric Neumann for producing a technical publication of overall superior design quality and technical content. The Kipphan Cup is a traveling trophy that will be handed over to each year’s Student Publication Grand Prize winner to be displayed proudly in the winning school’s department. The Grand Prize award is judged by the TAGA Board of Directors.

This year marked the first year that conference attendees also had a chance to take part in judging the student publications to select the “Attendee’s Choice” award.” Cal Poly was also the recipient of this award. Eight students from the Cal Poly chapter attended the conference as well as Dr. Harvey Levenson, Cal Poly Graphic Communication department chair. “This is a tremendously impressive achievement from one of the most competitive student contests in the graphic arts field,” Levenson said. “Winning the Grand Prize demonstrates the level of focus we place not only on research but also on writing and graphic presentation. The award also speaks volumes about the hard work and dedication of Xiaoying Rong, who serves as faculty advisor for Cal Poly’s chapter of TAGA.”

Other chapter winners this year were:
- Technical Writing Special Recognition Award went to Western Michigan University
- Design Special Recognition Award went to Rochester Institute of Technology
- Non-Print/New Media Special Recognition Award went to Western Michigan University

Student Publication Award Officially Renamed Helmut Kipphan Student Cup

This year marks the official renaming of the Overall Student Publication Grand Prize Award to the Helmut Kipphan Student Cup. This prize is awarded to the TAGA student chapter that has achieved the highest marks for technical writing, publication design, and overall quality.

Born and educated in Germany, Helmut Kipphan, Ph.D. is a pioneer in the field of graphic arts, and his dedication to students stems from his own quest for continuous education in his own life. Born in 1943 in Heidelberg, Germany, Helmut was introduced to printing at a very young age. After his elementary school education, he took an apprenticeship as a toolmaker at Schnellpressenfabrik Heidelberg AG where he was employed in the manufacturing of tools, special production equipment, and design components for the sheet-fed offset presses. He completed his education through evening school focusing on mechanical engineering. He received his undergraduate education in mechanical engineering from the University of Applied Science in Mannheim followed by a masters program with the University of Karlsruhe with a focus on theory, mathematical methods and measurement, and automation control. He worked as a scientist, lecturer, and project manager at the Institute for Measurement and Automation Control in Engineering at the University of Karlsruhe. In 1975, he received his doctoral thesis followed by a post-doctoral thesis. Following this, he worked as a professor and lecturer at Karlsruhe. In 1978 he joined Heidelberg as a research engineer. Since that time, he worked in several management and executive positions in R&D, technology, and product development in the fields of measurement and automation in both sheetfed and web offset printing as well as technology transfer, patenting, and education. Prior to his retirement, he worked as a senior vice president for technology and innovation research, dealing with advanced and future technologies.

Continued on page 4
He built up cooperation with Heidelberg’s customers, companies, institutes, and universities around the world regarding new technology, product improvement, new development, and mutual understanding. Dr. Kipphan has also been the recipient of several awards himself, including the Michael H. Bruno/TAGA Honors Award in 2001. He also is author of The Handbook of Print Media (2001).

Dr. Mark Bohan, TAGA Managing Director had a chance to sit down with Dr. Kipphan and get his comments about the eponymous award, his long-standing interest in the student chapters, and how TAGA has influenced his career.

Bohan: What was your role at Heidelberg, and how did it relate to students and the print industry?

Kipphan: As a toolmaker, designer, research engineer, as well as a scientist and teacher at the university, I tried to bridge industry, and academia from around the world for opening the eyes and brains for communication, cooperation, and challenge. It is one of my missions to make the print and publishing industry more visible to the public, catching the interest from everybody so that the industry could hire the best and smartest students, which will ultimately secure the future of print.

Bohan: How do you feel about having an award named in your honor?

Kipphan: I am very surprised and happy. Not often during my life have I had such an honor. I think that the student publication competition is an excellent way to push the chapters toward excellence and make them visible to the attendees of the conference. I think it is important to encourage competition and creativity within student chapters in positive ways, this being one of them.

I hope the Kipphan Cup will travel around the world from one country to another. I know that it will be very hard for the TAGA board to come to a decision each year about which chapter receives the cup! But I am sure that the fruitful competition between the student chapters will be a strong driving force and will create differentiations and helpful, clear facts for overall ranking.

Bohan: How has TAGA played a role in your life and career?

Kipphan: TAGA was and is the only institution (graphic arts association) that has taken special care and attention to the students, and this met my personal conviction. The support of TAGA for participation of many students during the TAGA annual conferences and the special student reception is much appreciated, and industrial events are running very successfully. I am very happy that my company, Heidelberg, has supported the activities and gave donations and other support over the years.

TAGA gave me an excellent platform for discussions, learning, teaching, and distribution of knowledge, especially the young generation that was “hungry” and is fascinated about the evolutionary developments in print media production and systems.

Bohan: Do you have any highlights of the TAGA conferences with regard to the students?

Kipphan: The highlight to me is being together with the students during the conferences and excursions and especially hosting the student reception. Serving a “free meal” is only a side effect. It’s nice of course, but the aim and value of the student reception is and was to talk to the students and their teachers about the print and media industry, the challenges, chances, changes, difficulties, and beauties. I also enjoyed the discussions, receiving ideas and critical comments, complaints, and commendations. The highlight I found was in networking. Networking is not only the key in print media production, but it is also very important for building up exchange of knowledge and experience, ideas and information, and for building up cooperation and partnerships.

Bohan: Do you have any message that you would like to extend to the TAGA students?

Kipphan: My message to the students as well as to all the experts and colleagues around the world is once more: We are acting within an excellent area of technologies and business, working and fighting for protection and improvement of our high standard of living, to enjoy the beauties of the world by using and creating several kinds of media. But we should not only be falling in love with technology, creating not only toys for engineers and technology freaks, we have to create tools, money-makers, helpers for the users, the people. Of course we should have also much more fun than pain during our life in business, academic, and personal, private matters! A very important challenge in future print system design and print product creation is developing innovations and improvements for higher efficiency in print production for cost cutting and innovations in print media design for new applications and growing markets.
Michael H. Bruno TAGA Honors Award

Awarded to: Bruce Blom, Ph.D.

The Board of Directors of TAGA singles out a professional with a distinguished career to receive the Michael H. Bruno TAGA Award in appreciation of his or her dedicated services and contributions to the advancement of graphic arts internationally.

For all of his accomplishments and his dedication to graphic arts education, TAGA distinguishes Dr. Bruce Blom with the 2007 Michael H. Bruno TAGA Award.

Dr. Blom has a thirty-two-year career in the graphic arts. Bruce graduated from Clarkson University with a Ph.D in Chemistry and began his career as a National Science Foundation presidential intern in environmental chemistry. After graduation, Blom spent the next thirteen years with Flint Ink in a variety of positions including assistant technical director. Initially involved with the analytical lab, he branched into research and product development. During this period, Bruce also began his association with TAGA and ASTM’s Printing Ink Committee.

Following Flint, Bruce moved to the paper industry, joining the James River Corporation as a research fellow in their corporate research and development facilities in Neenah, Wisconsin. In 1994, Bruce joined the Mead Corporation, now the NewPage Corporation, as a senior research fellow at their Central Research lab in Chillicothe, Ohio. Currently he is a regional technical field service manager responsible for the mill-based representatives at NewPage’s four mills.

Bruce has been a speaker and participant in numerous industry events. As a member of TAGA since 1975, Bruce has authored or co-authored six TAGA presentations, including what may have been the first attempt at running an experimental design-based series of print tests in a commercial pressroom. Bruce has served TAGA as a board member for many years, chairman of the Education Committee, treasurer, and as TAGA president.

Robert F. Reed Technology Medal

Awarded to: Charles Krouse, Ph.D.

The Ben Franklin Society, honor society to the Printing Industries of America/Graphic Arts Technical Foundation (PIA/GATF), stipulates that nominees for the Reed Medal must be technically or scientifically oriented individuals who have worked as engineers or scientists in graphic communications and printing for ten or more years with a measurable or documented record of accomplishments.

For all of his accomplishments and his dedication to graphic arts education, PIA/GATF distinguishes Dr. Charles Krouse with the Robert F. Reed Technology medal.

In his three decades of service to Goss International predecessor companies, from Harris Corporation through Heidelberg Web Systems, Dr. Krouse conducted research that substantially increased the body of scientific data related to the design and diagnosis of press systems. His work directly enabled innovations that have had a lasting impact on the offset printing business.

Dr. Krouse’s earliest well-known innovation was in the design of the M-300 web press, which allowed streak-free printing at much higher speeds than were previously possible. More recently, he was instrumental in development of the Goss Sunday press with gapless blanket technology, which allows higher print quality at faster speeds on wider webs.

As vice president of research, Dr. Krouse established a full-fledged professional research laboratory at what is now Goss International’s largest manufacturing facility in Durham, New Hampshire. This laboratory allows researchers to analyze and test chemistry, heat transfer, thermal, fluid, mechanical, and electrical dynamics, and more. The environment created by Dr. Krouse allows engineers and technicians to work together to develop new designs and test them to validate their performance against predictive models.
**TAGA Membership**

**Individual**
Active Individuals actively involved and/or interested in scientific research and technical developments in the graphic arts and related industries. Annual Membership dues for this level are $125 USD.

**Retired**
Retired from continuous active participation in graphic arts and has been an active TAGA member. Annual Membership dues for this level are $40 USD.

**Student**
Enrolled in recognized graphic arts school or college on a full-time basis. Annual Membership dues for Student Membership are $40 USD (with an active TAGA Student Chapter), $75 USD (without a chapter).

**Benefits**
- Copy of the Annual TAGA Conference Proceedings
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  - Past TAGA Proceedings
  - TAGA Journal (electronic version)
  - TAGA Conference registration

**TAGA Corporate Sponsorship**
A corporation or institution engaged in graphic arts allied industries or research/education for the industry. Annual sponsorship dues for this level are $1,500 USD.

**Benefits**
- The above membership benefits (above), plus:
- Company can send up to two employees to the TAGA Annual Technical Conference at the reduced TAGA member rate.
- Link to company website from the TAGA website.

If you are interested in becoming a member or sponsor of TAGA, please contact Cathie Meyers, TAGA administrator, at 412-259-1706 or cmeyers@piagatf.org for more information.

**30-Year Anthology of TAGA Proceedings**
You’ve heard about it, and now we have it. You can purchase one for yourself, your organization, your university’s library. The searchable anthology of the TAGA Proceedings date back to 1975 and go through year 2006 and is available on DVD with PDFs of the papers. The DVD has keyword search engine capability. Cost is USD $975. Shipment will be made once payment is received.

**TAGA Journal of Graphic Technology**
The TAGA Journal is a peer-reviewed journal designed to meet the needs of the global professional graphic applications industries and to bring together the multi-disciplinary community in further development of printing as a manufacturing process. Graphic applications play major roles in the reproduction of quality images, packaging, and in the volume manufacture by printing of products, such as electronics and nano technology. The TAGA Journal embraces the fundamental science and technology, application and technology transfer, and the generic problems and experience associated with the management and implementation of graphic applications.

The TAGA Journal is published in four editions per year in electronic format with a minimum of four papers per edition plus any rapid communications. A hardbound volume is produced of each at the end of each year. TAGA membership DOES NOT give access to the TAGA Journal but TAGA members receive a reduced electronic subscription rate.

For questions regarding submission of papers, email tagajournal@swanseaprinttech.com
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More information is available at www.tagajournal.com

**Call for Papers for 2008 Conference**
Papers are currently being accepted for the 2008 conference. Questions regarding topics can be directed to Wandee Poolpol, TAGA vice president, Technical Papers.

Abstracts with the author information below should be emailed to:
Wandee Poolpol
TAGA Vice President of Technical Papers
Eckart America Corporation
830 East Erie Street
Painesville, OH 44077-0747  USA
Phone: 440-954-7600  • Email: tagapapers@piagatf.org

**Timetable for Submission of Papers:**
Deadline for Submission of Abstracts:  October 1, 2007
Notification of Acceptance of Paper:  November 1, 2007
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Wandee Poolpol
Vice President, Technical Papers
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Painesville, OH
Email: Wandee.Poolpol@altana.com

Chuck Gehman
Vice President, Membership/Publicity
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Email: charlesgehman@hotmail.com

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Secretary/Treasurer
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Commerce, CA
Email: pjgurnee@cox.net

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Briarcliff, NY
Email: RMGConsulting@msn.com

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Fort Mill, SC
Email: don.duncan@wikoff.com

Steven Fullerton
Eastman Kodak Company
Oakdale, MN
Email: fullertons@kpgraphics.com

Yung-Cheng Hsieh
National Taiwan University of the Arts
Taiwan
Email: t0308@mail.ntua.edu.tw

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Ann Arbor, MI
Email: graham@drumresearchlaboratory.com

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Swansea, United Kingdom
Email: T.C.Claypole@swansea.ac.uk

Eric Neumann
PIA/GATF
Sewickley, PA
Email: e neumann@piagatf.org

John P. Sweeney
IQ Colour, Inc.
Pittsburgh, PA
Email: jpsweeney@iqcolour.com

Paul Cousineau
Dow Jones and Company, Inc.
North Brunswick, NJ
Email: paul.cousineau@dowjones.com

Bill Esler
Graphic Arts Monthly
Oak Brook, IL
Email: bill.esler@reedbusiness.com

David Galton
Asahi Photoproducts, Ltd.
Essex, United Kingdom
Email: dg@asahi-photoproducts.co.uk

Alexandra Pekarovicova, Ph. D.
Western Michigan University
Kalamazoo, MI
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Save the Date for the 2008 Conference!

Mark your calendar now for the 60th year of the TAGA Annual Technical Conference to be held next year in San Francisco, California. March 16–19, 2008
Sheraton Fisherman’s Wharf Hotel
Keep checking www.taga.org for programming updates throughout the year

TAGA
Technical Association of the Graphic Arts
200 Deer Run Road
Sewickley, PA 15143-2600
412/741-6860
www.taga.org