



## Pressure Vessels and Piping Division Newsletter

Les Antalffy, Editor

Winter 2010–2011

### A Message from the PVP Division Chair



Young W. Kwon

**T**he mission of the PVPD is to provide a forum to the engineering and scientific communities to promote, share and disseminate state-of-the-art pressure technologies,

relating to the power, petrochemical and process industries, and sustainable and alternative energies. One of the main functions of the Division is to organize an annual technical conference to provide a unique and quality forum so that engineers and scientists from academia, industries, and laboratories can communicate to overcome technical challenges in PVP technology. By joining the PVP Division and attending the annual conference, they can obtain the up-to-date knowledge and information in both theory and practice related to the PVP technology.

This year, PVP-2010 Conference was held jointly with the Korean Society of Pressure Vessels and Piping in Bellevue, Washington with the theme "Pressure Vessel Technologies for Energy Challenge." The conference was very successful both qualitatively and quantitatively with dedicated contributions by numerous volunteers, especially by Ronald Hafner as Technical Program Chair. There were 765 papers presented in more than 200 technical sessions. The number of participants was 794 plus 144 guests, representing more than 30 countries from all

over the world. In particular, the Student Paper Symposium and Competition was very successful with forty-four students participating from all over the world. ASME President Robert Simmons attended the conference and the Student Paper sessions. He expressed that the quality of papers in student paper sessions was excellent in terms of their technical content and presentation.

One plenary lecture was given by Dr. Leonard J. Bond of the Pacific Northwest National Laboratory. The title of the lecture was "Moving Beyond NDE to Proactive Management of Materials Degradation." Mr. Sun Koo Kang of Korea Power Engineering Company gave the second plenary lecture on "Current Status and Future Prospect of Nuclear Power in Korea." One two-session workshop, two technical tutorials and one special tutorial were also organized at the conference and were very well attended. The title of the workshop was "Best Practice in Non-Destructive Testing." The special tutorial was titled "Developing Young Engineers." The technical tutorials were given on "Nuclear Components Design-by-Analysis Concepts, Stress Limits, and Technical Basis", and "Introduction to the Process Piping Code, ASME B31.3." Besides that, there was leadership training on Friday. It has been an on-going activity for the PVPD to foster future leadership for the Division. The PVPD Senate was responsible for organizing the activity as well as for training.

Thanks to the hard work by Carl Jaske, all

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### Message from the Conference Chair



Ronald S. Hafner

**T**he ASME Pressure Vessels and Piping Division will hold our upcoming 2011 PVP Conference in Baltimore, Maryland from July 17–21, 2011. The Confer-

ence will be sponsored by the ASME Pressure Vessels and Piping (PVP) Division, with additional participation from the ASME Nuclear Engineering Division (NED), and the ASME Non-Destructive Evaluation (NDE) Division.

The theme of the 2011 PVP Conference is *Pressure Vessel Technologies — A Look Ahead into the Next Decade*. The Conference is expected to have more than 180 Paper Sessions, Panel Sessions, Workshops, and Tutorials, along with our outstanding Student Paper Competition & Symposium. And, as usual, we will also be holding our traditional NDE and Software Demonstration Forums.

The Conference website is <http://www.asmeconferences.org/PVP2011..> Please take the time to visit the website to see our Conference *Publication Schedule*, and the progress of our Conference activities. PVP Conferences have traditionally been excellent venues for exchanging state-of-the-art technical information, and, over the years, they have provided many social and networking activities. The social activities are currently a work-in-

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## A Message from the PVP Division Chair

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available sponsored activities for the conference were supported by sponsors. During the conference, both NDE and Software Forums were also organized. Social programs including the Monday and Tuesday spouse tours as well as the Wednesday conference special event were sold out.

Leadership changes occur annually during the conference. Kunio Hasegawa took on the responsibility of Codes & Standard (C&S) Technical Committee as the new Chair. William Koves became Chair of the Design & Analysis (D&A) Technical Committee; and Steve Hensel became Chair of the Operations, Applications and Components (OAC) Technical Committee. I appreciate the dedication and service provided by the former chairs, Gora Chakrabarti for C&S, Marian Ruggles-Wrenn for D&A, and Dennis Martens for OAC.

PVP-2011 will be held in Baltimore, Maryland under the leadership of Ron Hafner as Conference Chair and Mike Nitzel as Technical Program Chair. All of you are cordially invited to attend the conference and join the PVP Division if you are not already a part of it.

The PVP community has been more globalized with a recent success of PVP2009 in Prague, The Czech Republic. In order to carry on this momentum and to expand on our global activities, PVP2012 will be held in Toronto, Canada. Additionally, the PVPD Executive Committee will hold its Spring Retreat meeting in Brussels, Belgium to discuss the globalization issue with the ASME Brussels Office. Presently, PVP2013 is also being considered to be held in Europe. I will communicate to you as this plan further materializes.

I look forward to seeing you in Baltimore.

Best wishes,  
Young W. Kwon  
PVP Division Chair

## Conference Chair Message

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progress, and they will be posted on the website as soon as they are finalized.

Please come and join us in Baltimore. We are looking forward to seeing you there!

Ronald S. Hafner  
PVP 2011 Conference Chair

## A Message from the PVP Division Senate President



Artin A. Dermenjian

The Senate of Past Chairs of the American Society of Mechanical Engineers (ASME) Pressure Vessels and Piping Division (PVPD), will sponsor a Student Paper Symposium and the 19th Annual PVPD Student Paper Competition at the PVP 2011 Pressure Vessels and Piping Conference in Baltimore, MD, July 17–21, 2011.

Technical papers, authored by graduate and undergraduate students, are invited in all areas relevant to the activities of the PVPD Technical Committees.

A 150–200 word abstract had to be submitted by the Lead Author to the PVP 2011 Conference Web tool at: <http://www.asmeconferences.org/pvp2011> by December 3, 2010.

Artin A. Dermenjian  
PVP Division Senate President

## The Journal of Pressure Vessel Technology



G. E. Otto Widera

As you may have heard *JPVT* is now publishing 900 pages per year in six issues, beginning with a February issue. Our mainstay is research papers but we also publish design innovation papers, discussions and technology reviews. Publi-

cation of technology reviews is a priority. The success that *JPVT* experiences is due, in large measure, to the diligence and hard work of our Associate Editors and Reviewers. Many thanks to all of these colleagues for their contributions.

We are currently preparing a group of papers for a special section covering European research and analysis of buckling. This special section will appear in the February, 2011 issue of *JPVT*. Dr. Dennis Williams is coordinating this special section of the journal with the assistance of Dr. Spyros Karamanos.

I invite you to submit your papers via the Journal Web tool at <http://journaltool.asme.org/Content/login.cfm>. An outstanding team of Associate Editors and Reviewers is committed to insuring that *JPVT* is the leading journal of its type in the world. Please contact Jessica Bulgrin, my assistant, via e-mail at [Jessica.bulgrin@marquette.edu](mailto:Jessica.bulgrin@marquette.edu) or by phone at 414-288-4427 with any questions you have on submitting manuscripts or on the publication process. We look forward to sharing your research with our industry.

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G. E. Otto Widera, Ph. D.  
Journal Editor

If you are interested in applying for ASME Membership, please visit <http://www.asme.org/Membership/Join/> for either online or mail applications.

## A Message from the PVP Division Senate



James F. Cory, Jr.

**P**VP students presented 44 outstanding papers at PVP 2010. Abstracts and final papers were received from students in 15 countries. The Student Paper Symposium and Competition included a total of 10 sessions, with 15 BS/MS and 29 PHD participants. There were 5 BS/MS category awards and 11 PhD category awards. The PVP Senate would like to thank the students and thank AREVA again this year for its generous support of the Symposium.

James F. Cory, Jr.  
PVP Senate

## Notable Awards at the 2010 PVP Conference

**P**rofessor Toshiyuki Sawa, the Director of the Collaborative Research Center at the Hiroshima University in Japan, received the prestigious S.Y. Zamrik PVP Medal from Dr. Sam Zamrik himself.

Professor Sawa has been a long time contributor to ASME as Author and Session Developer at PVP, especially in the field of bolted joint design. He co-chaired the 2004 PVP Joint ASME/JSME Conference in La Jolla, California and contributed to the success of the conference at all levels. His contributions over the years have been exemplified by the growing international participation in PVP Conferences, particularly through his encouragement of participation by younger engineers in Japan through presenting technical papers and also in encouraging Japanese participation and attendance at PVP Conferences.



Professor Sawa receives the S.Y. Zamrick PVP Medal from Sam Zamrik and Ismail Kisisel.

A.G. (Jack) Ware received the ASME Dedicated Service Award for his years of service to ASME and the PVP Division.

Gerry Slagis received the S.S. Chen PVP Outstanding Service Award due to his outstanding service in the design and analysis of piping and piping components, including defining detailed methodology in the seismic design of piping systems.

Luc Geraets, the 2009/2010 Division Chair, received the ASME Board of Governors Award. Luc was also the 2009 conference Chair in Prague, the first venture of PVP outside of the North Americas. Luc did an outstanding job of organizing a very successful PVP Conference in beautiful Prague.

## PVP Division Now on LinkedIn.com

**T**he Pressure Vessel and Piping Division can now have its own group on the LinkedIn.com site. Membership Chairman, Michel Brongers is administering the site for the Division.

The number of folks linked to the group is growing steadily since its start in mid-2009. There are 1,375 members of the PVP Group on LinkedIn as of this writing. There are also many active discussion threads on the site.

Les Antalffy  
Communications Chair

## PVP Information Brochure

**V**aluable information on the Pressure Vessels & Piping Division can be found in the new PVP Information Brochure posted on the PVP website <http://divisions.asme.org/pvp/>. under "News & Information." The brochure discusses the history of the division, its organization, mission statement, goals, core values and benefits of membership.

Additionally, the Information Brochure provides information on PVP international activities, honors and awards, PVP Technical Committees, professional development and publications, the Journal of Pressure Vessel Technology, the Student Paper Competition as well as current activities.

## PVP Award and Student Paper Competition Renamed

**A**t their last meeting in July, the PVP Division Executive Committee renamed two PVP Awards. The S.Y. Zamrik Literature Award was renamed the G.E.O. Widera Literature Award and the Student Paper Competition was named the R. Scavuzzo Student Paper Competition and Symposium.

## ASME Honors Ten Individuals for Engineering Achievement

**I**n a celebration of engineering achievement, ASME paid tribute to ten individuals for their exemplary contributions to engineering and their dedicated service to the profession at the annual ASME Honors Assembly. One of these was Dr. Sam Y. Zamrik, our past PVPD Chair and the 2007-2008 ASME President.

The 2010 Honors Assembly was held on Nov. 15 at the Vancouver Convention and Exposition Centre in British Columbia, Canada. The program spotlighted leaders who the Society has recognized for their excellence in engineering achievement, innovation and contributions to ASME and the profession.



Dr. Sam Zamrik

**Sam Y. Zamrik**

Professor Emeritus of Engineering Mechanics, The Pennsylvania State University

Award: Honorary Membership



Dr. Sam Zamrik receiving the first casting of the PVP Division Medal from ASME President Robert Simmons at the 2010 PVP Conference.

## Fun & Memories at PVP-2010



The 2010 PVP Conference Spouses Tour about to visit a chocolate factory.



Dr. Sam Zamrik giving a brief response of gratitude at the 2010 PVP Conference.



Student Paper Award recipients with Young Kwon, Jim Cory and Artin Dermenjian



From left to right: Hiroko Osedo, Yokohama National University, Japan; Bikramjit Antaal, University of North Carolina; Caltriona de Paor, University College, Cork, Ireland; Tan Don Do, Ecole de Technologie Supérieure, Canada; Anna Eiden, Cambridge University, U.K.; Kathryn Kirsch, Penn State University. Hiroko, Anna and Kathryn were in the BS/MS Category and Bikramjit, Caltriona and Tan were in the PhD Category.



Finalists and some participants in the 2010 Student Paper Symposium and Competition with PVP Division's Artin Dermenjian, James Cory and Young Kwon in the first row.

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