



Pressure Vessels and Piping Division Newsletter

Summer 2001

Message From the PVP Division Chair



Jack Ware

Greetings to all PVP Division Members and friends. I am honored to be the 35th Chair of this Division, following the many dedicated leaders who have successfully brought our Division to the strength it is today.

As we reflect back on what has been accomplished by the ASME and the PVP Division over the 20th Century, we are reminded that it is up to the present members and leaders to continue this tradition into the 21st Century. I firmly believe that our best hope for the Division is to work together as a team; a team composed of all of us working from our homes, offices, and laboratories around the world. I consider each of you a valued and welcome member of the PVP team.

As Division Chair, I realize that neither I, nor any of you, can do a great deal for the membership by oneself, but together we number in the thousands. By encouraging each other technically, forming conference sessions with others in areas of common interests, mentoring and developing those less experienced in writing, speaking, and organizing, supporting education, and making and sharing our own technical contributions to the engineering profession, we can uphold the

proud past and lead this Division into an even greater future. So, I encourage you as team members to ensure the future of the Division by contributing to and attending the upcoming conferences, and volunteering to support the PVP Division membership as opportunities arise. May the benefits that you derive from these activities prove to be as satisfying to you personally as they have to me.

*Jack Ware
Chair, ASME PVP Division, 2000-2001*

PVP 2001 at Hyatt Regency Atlanta, July 22-26, 2001



Joseph Sinnappan

The 2001 Pressure Vessels and Piping Conference (PVP01) will be held on July 22 through July 26, 2001 in the Hyatt Regency Atlanta, Georgia. The Conference Program Committee invites

you to participate in this great event.

This year's conference technical program contains about 160 technical sessions, five major symposia, three tutorials, a student paper competition, as well as NDE and software demonstration forums. The conference proceedings will be published in 22 volumes. By virtue of its greater international participation, this

conference will cover the various technical aspects of pressure vessels and piping technology that are being developed all over the world.

The conference opening will be announced by the incoming president of the ASME, Mr. William A. Weiblen, on July 23, 2001, with a welcoming address from the state of Georgia, by Mr. Michael L. Thurmond, Georgia Labor Commissioner, followed by plenary addresses by Mr. Timothy Barnett of Coca Cola and Dr. Jean Lou Chameau of Georgia Tech.

In addition, there are social events to complement the technical program, including a classical South Indian Dance, a civil war show, two receptions, conference-wide events, a Conference Social Event to Stone Mountain Park and guest tour programs.

*Joseph Sinnappan
PVP01 General Chair*

PVP 2000 Seattle

The 2000 PVP Conference was held July 23-27 at the Westin Hotel in Seattle, Washington. To everyone's delight, the weather turned out to be fantastic, with none of Seattle's famous rain to dampen the week. More than 700 delegates from over 30 countries registered for the Conference and, with spouses and guests, the attendance was 850. Jack Ware was the Conference General Chair and Joe Sinnappan was the Conference Technical Program Chair.

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PVP 2001 Atlanta to Hold 1st NRC/ASME Symposium on BPVC Section XI

The Section XI Subcommittee on Nuclear In-service Inspection of the ASME Boiler and Pressure Vessel Code (BPVC) Committee and the U.S. Nuclear Regulatory Commission (USNRC) have jointly announced an agreement for the first NRC/ASME Symposium on BPVC Section XI to become a part of the PVP 2001 Conference. The symposium will focus on the USNRC and the ASME Section XI activities related to pressure boundary integrity of systems and components for operating nuclear plants. The symposium provides an excellent opportunity for Code committee members, NRC, National Board, Insurance Agencies, plant engineers and consulting firm personnel to interface and enhance their knowledge of technical issues related to Section XI.

In making the announcement, Bob Sammataro, Past PVP Division Chair, said that "making the Symposium a part of the PVPD Conference emphasizes the synergy between the PVP Division and Section XI.

Although numerous panel and technical sessions related to Section XI have been included in past PVP Conferences, this cooperative working relationship will increase the visibility and awareness of the many activities that come within the responsibility of Section XI." He also commended past Section XI Chair Owen F. Hedden, current Chair Richard E. Gimple, Jack Strosnider, Director of the Division of Engineering at the USNRC, and Gerry Eisenberg, ASME Director of Nuclear Codes and Standards, for their roles in fostering the agreement between the USNRC, Section XI, and the Pressure Vessels and Piping Division.

Topics will include the following:

- Section XI changes from the 1989 Edition to the 1996 Addenda: Papers will be presented on significant changes between the 1989 Edition to 1996 Addenda as related to Repairs, Replacements, Modifications, Inservice Inspections, and Pressure Testing Requirements
- USNRC regulatory issues relating to risk informed in-service inspection of piping, current 10CFR50.55a rulemaking, use of IWE/IWL, implementation of the containment inspection rule and Appendix VIII, the USNRC perspective on several ASME Section XI Code Cases, and interpretations related to through-wall leaks in piping.

- Risk Informed Section XI activities.
- Several papers on the new requirements related to ASME
- Aging Management within Section XI.
- Section XI, Appendix VIII, Performance Demonstration Initiative (PDI), including the basis for revisions to Appendix VIII, status of the U.S. PDI, ultrasonic examination reliability, and an in-service inspection company view of PDI.
- Evaluation Standards: related topics on fatigue crack growth rate curves for ferritic steels in PWR water environment (Code Case N-643), flaw proximity rules improvements for Section XI, technical basis for revised acceptance criteria for pipe flaw evaluation, and the technical basis for Code Case N-513.

Bill Holston, Supervisor Engineering Assessment, Calvert Cliffs Nuclear Power Plant Incorporated and Chairman of the Subgroup Repairs, Replacements and Modifications, is the co-Technical Program Representative (TPR) for Section XI and Ted Sullivan, Section Chief, Materials and Chemical Engineering Branch, USNRC is the co-TPR for the USNRC for the Conference.

*Robert F. Sammataro
PVPD Senate Historian*

Three Technical Tutorial Sessions Planned for PVP 2001 in Atlanta



Ismail T. Kisiel

Three topics are being planned for the upcoming conference in Atlanta:

EQUIPMENT CONDITION MONITORING by Judith A. Todd

This tutorial will introduce new innovations in signal analysis technology that couple decision making with statistical modeling to detect changes that are still within the normal noise bands of the monitored signals, extracting information that was previously unavailable. A brief overview of sensor signal processing techniques, improved signal monitoring methods, and common issues in signal analysis

technology will be presented. The use of decision-making engines for resolving statistically significant changes in correlated sensor signals will be demonstrated through examples showing how signal analysis and fault detection algorithms can be used to model normal operation, generate virtual signals and detect abnormal operation in a computationally efficient manner. A software demonstration will show how such analyses can be implemented to improve productivity, safety, and preventive maintenance in pressure vessel and piping applications.

SIMPLIFIED INELASTIC ANALYSIS AND CODE PERSPECTIVES by R. Seshadri

This tutorial will cover:

- Basics of Plasticity, Creep, and Fracture.
- Modes of Failure and Stress Classification.
- Elastic Modulus Adjustments Methods.
- Applications to Pressure Vessels and Piping Components.

REVISION 4 OF R6 AND RELATED DEVELOPMENTS IN EUROPEAN FLAW ASSESSMENT METHODS by Anthony R. Dowling, Peter J. Budden, John K. Sharples and David Lidbury

The R6 defect assessment procedures were first produced in 1976 and the last major revision, Revision 3, was produced in 1986. Since that time, there have been many additions and revisions to the document to extend its scope, to refine its accuracy, and to take account of worldwide developments in fracture mechanics. These changes are currently being consolidated in a major revision, Revision 4, to be issued in late 2000. This new version of R6 is described in this tutorial. The new revision of R6 takes account of some particular recent developments in Europe. These developments have included a joint European project, which led to a flaw assessment guide (SINTAP); and, production of a new British Standard Guide BS7910 in late-1999, which replaces BS PD6493 and BS PD6539. These related developments, and how they are being progressed to a European Standard, also will be discussed.

*Ismail T. Kisiel
Chair, Professional Development*

To find out about the PVP Division's Executive Committee, Technical Committees, Publications, the 2001 PVP Conference and other information about Division, visit our web site at http://www.asme.org/divisions/pvp/index1.htm/pvp_home.html.

Judy Todd Joins the Executive Committee



Judith A. Todd

Prof. Judith A. Todd, of the Mechanical, Materials and Aerospace Engineering Department at the Illinois Institute of Technology, Chicago, IL has been selected to join the PVP Division Executive Committee.

She will be the Division Publications Chair, succeeding Dr. H. H. Chung, who has been serving as the Chair for the last four years.

Dr. Todd earned B.A., M.A. and Ph.D. degrees from Cambridge University, England. She is widely published on topics of metallurgical and materials science. She holds a U.S. patent and serves on editorial boards of several technical publications, including Metallurgical and Materials Transactions A.

Dr. Todd is a Fellow of ASM International and the Association of Women in Science. She has received numerous awards, including the Vanadium Award from the Institute of Metals.

Judy served as the Chair of the Division Materials and Fabrication Technical Committee; and, more recently, she served as the Division Membership Chair.

PVP Senate News

The 8th Annual Student Paper Competition was held during PVP00 in Seattle, Washington. Eight student papers were presented in the 2000 Competition.

Each student who presented his or her paper during PVP00 was given a \$600 award for being accepted in the Student Paper Competition. For PVP00, the First Place Graduate Student Paper Award went to Linping Zhao and Nathaniel M. Beuse, Marquette University, for the paper "External Pressure Testing of Four-Inch Diameter High Density Polyethylene Pipe"; the First Place Undergraduate Student Paper Award went to John D. Antonakakis, State University of New York at Stony Brook for the paper "An Experimental Study on Vibration Behavior of a Submarine Model Using Holographic Interferometry"; the Second Place Graduate Student Paper Award was a tie between two papers and went to Xiaoguang Huang, University of Wolverhampton, for the paper "Ultimate Collapse Strength Analysis of Casing Design", and Warren Brown, Ecole Polytechnique of Montreal, for the paper "Determination of the Steady State Operating Temperature of Pressure Vessel

Flange Components by Analytic Methods"; and the Second Place Undergraduate Student Paper Award went to Joseph E. Filstrup and Mark Webb, St. Martin's College, for the paper "Identification of Flow Patterns with Two-Phase Flow in Micro-Channels".



Left to Right: W. Short, S. Okamura, X. Huang, A. Hameed, J. Filstrup, W. Brown, J. Antonakakis

Eleven student papers have been accepted for the 9th Annual Student Paper Competition, to be held during PVP01 in Atlanta, Georgia.

The 10th Annual Student Paper Competition will be held during the 2002 Vancouver PVP Conference in British Columbia, Canada. To submit a paper, contact Dr. T. H. Liu at Liuth@westinghouse.com., or Dr. A. G. Ware at pvp-jack@aol.com.



From Right: J. Antonakakis, W. Brown, J. Filstrup

Another Senate activity during the year was the annual meeting and retreat held in Scottsdale, AZ in early April. This activity covers many strategic planning issues for all Divisional operations and is very important for the future of the PVP Division. Many thanks to Senator Sam Zamrik for his efforts in making the hotel and local arrangements.

At the last, it is sad for me to report that the Senate just lost its Historian, Mr. Bob Sammataro, who was our past Division Chair, colleague and friend in the PVPD. We will always miss his energy, love and friendship.

T. H. Liu
PVPD Senate

PVP 2000 Seattle Awards Presented At the Honors and Awards Luncheon



M. K. Au-Yang

ASME Society and Pressure Vessels and Piping Division Awards were presented to more than sixty members and interested parties of the Division at the annual Honors and Awards Luncheon

during PVP 2000 in Seattle, Washington in July, 2000. The awards were to recognize contributions to the Society, to the PVP Division, and to the PVP industry.

ASME Dedicated Service Awards were presented to D. Bray and B. Lubin. This Award was presented for long and dedicated voluntary service to the ASME marked by outstanding performance, demonstrated effective leadership, prolonged and committed service, devotion, enthusiasm, and faithfulness. The Board of Governors Award was presented to R. Sammataro as Chair of the PVP Division, 1999-2000. G. Hulbert and Y. Cai were elevated to the Membership Grade of Fellow in the ASME, the highest grade that ASME can bestow upon its members.



PVPD Senate 'Roasting' Bob Sammataro

The highest Division award, the ASME Pressure Vessels and Piping Medal, was presented to R. J. Scavuzzo. Dr. Scavuzzo was, until his recent retirement, professor and Chair of the College of Polymer Science at Akron University. He also was the former Chair of the PVPD and is a member of the PVPD Senate. The presentation included the medal, a certificate, and an honorarium in recognition of his substantial contributions in the pressure vessels and piping field over many years. The PVPD Outstanding Service Award was presented to A. Dermenjian. This award was established in 1994 to recognize outstanding voluntary service to the PVPD. Certificates of Appreciation were presented to: W. E. Short, II as the President of the PVP Division Senate, 1999-2000; K. R. Rao as the Chair of the Codes and Standards Technical Committee, 1996-2000; A. A. Dermenjian as the Chair of the Design and Analysis Technical Committee, 1996-2000; E. H. Perez as the

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2000 Seattle Awards

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'Roast' of Out-Going Chair
Bob Sammataro

Chair of the High Pressure Technology Technical Committee, 1996-2000; C. Becht IV, A. Kalnins and J. H. White for giving tutorials in the 2000 PVPD Confer-

ence. Additional Service Awards were given to A. Glickstein and K. Suzuki for their years of service to their respective PVPD Technical Committees.

In recognition for serving as associate editors of the Journal of Pressure Vessel Technology, Certificates of Appreciation were presented to S-S. Chen, F. Hara, S. Seshadri and R. Swindeman. Certificates of Appreciation also were presented to M. Sheehan and S. Zamrik, Plenary Speakers at the 2000 PVPD Conference. In addition, twelve Certificates of Recognition were presented during the Technical Committee meetings to the Technical Program Representatives of the Technical Committees in the 2000 PVPD Conference. The 1999 PVPD Conference Outstanding Technical Session Award was given to: M. J. Pettigrew, M. P. Paidoussis and M. K. Au-Yang for organizing the technical session, Flow-Induced Vibration-1: Heat Exchanger Tube Vibration", sponsored by the Fluid-Structure Interaction Committee. Additionally, a total of twenty-two awards were given to authors of outstanding technical papers in specific technical areas presented in the 1999 PVPD Conference. Recipients of the outstanding technical paper awards included: D. P. Jones, J. E. Holliday, T. Lovie, D. R. Metzger, A. Chudnovsky, K. Sehanobish, S. Wu, M. K. Au-Yang, A. P. Parker, J. H. Underwood, D. P. Kendall, R. Mohan, J. Zhang, F. W. Brust, S. Yoshida, M. Tomiya, O. Furuya, S. Fujita, T. Fujita, N. Masaki, H. Kitamura and H. Ozaki.

The 1999 G. E. O. Widera Literature Award for Outstanding Paper in the Journal of Pressure Vessel Technology went to G. S. Bhuyan, E. J. Sperling, G. Shen and H. Yin for co-authoring the paper, "Prediction



SPC Contestants, from left: L. Zhao, S. Okamura,
X. Huang, A. Hameed

of Failure Behavior of a Welded Pressure Vessel Containing Flaws during a Hydrogen-Charged Burst Test". The 1999 Journal of Pressure Vessel Technology Editor's Choice Award was presented to M. Paulino, J. Antunes and P. Izquierdo for their paper, "Remote Identification of Impact Forces on Loosely Supported Tubes: Analysis of Multi-Supported Systems". Realizing that today's students are tomorrow's engineers, the PVP Division sponsored its 8th annual student paper competition (see the Senate News article in this Newsletter).

M. K. Au-Yang
Chair, PVPD Honors and Awards

Robert F. Sammataro 1940-2001



Robert F. Sammataro

Robert Francis Sammataro, ASME Fellow, and the recent past chair of the PVP Division, passed away suddenly while on business in Minnesota. Bob earned a M.S.

Degree in civil engineering from Rensselaer Polytechnic Institute. He retired in 1996 after 35 years with the General Dynamics Electric Boat Division and then continued his professional career with the Proto-Power Corp.

Bob had been a member of the Section XI Code Committee for 16 years. Bob's enthusiasm and extraordinary contributions in advancing the missions of the PVP Division will be deeply missed. He always will be remembered as part of the 'PVPD Family'.

2001-2003 PVPD Conference Plans

The 2001 ASME Pressure Vessels and Piping Conference (PVP01) will be held in the Antebellum City of Atlanta, Georgia from July 22nd through 26th, 2001. The ASME NDE Engineering Division and Section XI will be major participants. Other ASME Divisions also will be represented. The technical program will contain one hundred sixty technical sessions, five major symposia, three tutorials, NDE and software demonstrations, and the annual Student Paper Competition. PVP01 General Chair: Joseph Sinnappan; PVP01 Technical Program Chair: Howard Chung.

PVP02 will be held from August 4th through 8th, 2002 in the Great Northwest in the City of Vancouver, British Columbia, Canada at the Hyatt Regency Vancouver. PVP02 General Chair: Howard Chung; PVP02 Technical Program Chair: William Bees.

PVP03 is in the planning stage. Tentatively, the week of July 20th through 24th, 2003 has been selected, with the Renaissance Cleveland Hotel in Cleveland, Ohio as the Conference site. PVP03 General Chair: William Bees; PVP03 Technical Program Chair: Ismail Kisisel.

If you want information on submitting papers or developing sessions for conferences, contact the respective Technical Program Chairs: Howard H. Chung for PVP01, William J. Bees for PVP02 and Ismail Kisisel for PVP03. Further information also can be found on the Internet at www.asme.org/divisions/.

William J. Bees
Chair, PVPD Programs

PVP 2000 Seattle

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The Conference Opening featured welcomes by the ASME immediate past president Bob Nickel, PVP Division Chair Bob Sammataro, and Giovanni Ranieri of the local Western Washington ASME Section. The Opening was followed by plenary speeches by Mark Sheehan of the ASME on the history of ASME Codes and Standards, and by Dr. Sam Zamrik, the ASME Materials and Structures Group Vice President, on the history of the PVP Division.

There were 161 technical sessions, as well as Nondestructive Examination and Software Forums that displayed products to attendees. The technical sessions included a Student Paper Competition, where students from around the globe vied for awards and prizes. There were 50 students at the Conference, and eight participated in the Competition. On Sunday evening, before the Conference, a tutorial on technical report writing was offered free of charge to all registrants and, during the week there were two additional technical tutorials on piping vibration and plastic analysis of vessels.

Conference receptions were held on Sunday and Monday evenings. Guest tours of Seattle and the Boeing Museum of Flight were offered on Monday and Tuesday mornings, respectively, and a technical tour of Flow International Corporation was held on Thursday.

During the Honors Luncheon on Wednesday, many certificates and awards were presented, highlighted by an address from Dr. Rudy Scavuzzo, the 2000 PVP Medalist.

On Wednesday evening, Conference attendees sailed from the Seattle piers on Elliot Bay, through Puget Sound, to Tillicum Village on Blake Island, where they were treated to a traditional Northwest salmon bake and a local Native American dance presentation. During the return trip, the attendees enjoyed a strawberry shortcake dessert and a dazzling view of the city of Seattle at night.

A. G. (Jack) Ware
PVP00 Conference General Chair

News From The Technical Committees

Individuals with the interest in the activities of any PVP division technical committee, and with the willingness to contribute, are invited to participate and join. The committee meetings are open to all PVP division members, and guests are encouraged to attend.

Glickstein Takes the Helm of the Design and Analysis Technical Committee



Allan B. Glickstein

The Design and Analysis (D&A) Technical Committee sponsored 27 technical sessions and one tutorial, "Practical Piping Vibration", at the 2000 PVP Conference in Seattle, Washington. About

100 papers were presented on topics covering the design and analysis of piping and components, including pressure vessels and heat exchangers, stress classification issues, fracture mechanics and damage analysis, including probabilistic and deterministic approaches, fitness-for-service and life evaluation, and expansion joints. All technical sessions were well attended.

The D&A Committee met in Seattle during PVP00 and a new Chair, Allan B. Glickstein, was appointed. A new PVPD Vice-Chair and Secretary were elected for two-year terms beginning in July, 2000. The Committee members discussed potential planned sessions and tutorials for the 2001 PVP Conference. The Committee strongly encourages anyone interested in joining or participating in the D&A Committee to contact Allan Glickstein (860-433-3494 or aglickst@ebmail.gdeb.com).

Allan B. Glickstein
Chair, Design and Analysis Committee

Lubin New Chair of the Codes and Standards Technical Committee

Dr. Barry T. Lubin is the new Chair for the Codes and Standards Technical Committee. In a changing of the chairs at the 2000 PVPD Seattle, Washington meeting, Dr. Lubin thanked outgoing Chair K. R. Rao for both his dedication and foresight in expanding the scope of the C&S Committee sponsored PVPD Conference sessions. In keeping with that theme, Dr. Lubin discussed plans for the future to focus on issues identified at the 1999 panel session of the future of Codes and Standards. These should include technical and panel sessions focused on three areas: New Construction, Post Construction and Globalization. These sessions need to be organized in addition to the traditional sessions on the broader view of the code (e.g., "What Should Be New in the Code?", etc.) and technical sessions

related to code development and use.

Past TPRs have realized both the importance and amount of work involved. The new C&S TPR for PVP 2001 and 2002, Mahendra Rana, expressed his appreciation for Art Deardorff's work on the 2000 PVPD Conference in Seattle, Washington, and said he looks forward to working with members of the Committee in organizing the sessions for the 2001 PVPD Conference in Atlanta, Georgia.

Discussion on organizing these sessions focused on the past this responsibility has fallen to the TPR. This has put an increased burden on the TPR to plan the program, identify interested session developers, cajole authors, and coordinate the final program. This has become a more difficult job due to rapid changes in technology and increased use of the Code.

The C&S Chair proposed that a portion of the planning should be done by on-line discussions with members of C&S prior to the Conference. The results of these discussions would serve as the basis for recommendations for a draft for the following year's Conference. The hope is that this up front planning will enable C&S to address new issues without neglecting old issues, and share what is now primarily the responsibility of the TPR.

Ideas for sessions are not limited to the TPR! So, if you have ideas or requests for C&S sessions, or would like to participate, contact Mahendra Rana (716-879-2408 or Mahendra_Rana@Praxair.com) or Barry Lubin (860-285-4996 or barry.t.lubin@us.westinghouse.com).

Barry T. Lubin
Chair, Codes and Standards Committee

Operations, Applications and Components Technical Committee

The Operations, Applications and Components Technical Committee provides a forum for the exchange of technical information on various aspects of power plant components. The OAC Committee organizes and sponsors technical sessions in reliability and safety studies, transportation of hazardous wastes, plant life extension, toxic substances, design, testing and performance of plant components, and monitoring and diagnostics. The OAC Committee is a fluid organization in which new ideas are encouraged and developed, and interdisciplinary activities welcomed.

For PVP 2001 to be held in Atlanta, Georgia during July 2001, the OAC Committee is sponsoring several sessions in the above named technical areas including valves,

pumps, pressure and structural components, seismic, shock and vibration isolation. Potential authors are encouraged to contact the OAC Technical Program Representative (TPR) Oscar Shirani at (630-663-5873 or oscar.shirani@exeloncorp.com).

The OAC Committee is open to new membership because of its interdisciplinary nature. If you would like to join the committee, or if you have any suggestions or questions, please contact the OAC Chair Ike Ezekoye (412-374-6643 or ezekoyli@westinghouse.com).

Ike Ezekoye
Chair, Operations, Applications and Components Committee

Fluid-Structure Interaction Technical Committee

The Fluid-Structure Interaction Technical Committee sponsored four symposiums and two special publications with more than twenty sessions at the 2000 PVP Conference held in Seattle, Washington. The symposium titles were "Emerging Technologies in Fluid, Structures, and Fluid/Structure Interaction", "Structures Under Extreme Loading Conditions", "Fluid-Structure Interaction and Sloshing", and "Panel Session on Thermal-Hydraulic Forces on Vessels and Piping/Modern Problems, Finding the Causes, and Recent Case Studies". M'hamed Souli worked as FSI Technical Program Representative (TPR) for the 2000 PVP Conference and he received a Certificate of Recognition. M. K. Au-Yang, the recent past FSI Chair, has become a Division Executive Committee member, responsible for the Division Honors and Awards Committee.

Young W. Kwon
Chair, Fluid-Structure Interaction Committee

High Pressure Technology Technical Committee



Leslie P. Antalffy

The High Pressure Technology Technical Committee held its annual meeting at the 2000 PVP Conference in Seattle, Washington in July; and 22 members attended.

There are presently 47 members of the HPT Committee, including 13 members from Canada, England, Germany, Holland, Ireland and Japan.

The primary thrust of the HPT Committee is to promote and publicize the art and

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Technical Committees News

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science of high pressure vessel technology. This Committee has provided technical support to the Codes and Standards Division in the efforts to develop new codes for high pressure vessels, systems and components.

The HPT Committee contributed five sessions to the 2000 PVP Conference and a panel session titled "A Century of Progress in High Pressure Technology". Special thanks are due to Sig Morde, Don Fryer and Leo Picqueur for the success of the HPT Sessions. Sig was the Technical Program Representative (TPR) for the HPT Committee, Leo assisted in getting the many high quality papers received from Europe and Don was the developer of the panel session. Our thanks also goes to the other session developers, chairs and vice chairs for their help in making this Conference such a success for the HPT Committee. Sig received a well deserved Certificate of Recognition for his service as the HPT Committee TPR for the 2000 PVP Conference.

The development of the HPT sessions for the 2001 PVP Conference to be held in Atlanta, Georgia is proceeding under my direction as the Technical Program Representative for the HPT Committee. We are planning three sessions for this meeting, plus a panel discussion titled "A Comparison of the High Pressure Vessel Codes of Europe, Japan and the United States".

Looking ahead for future conferences, Rick Dixon will be the TPR for the 2002 PVP Conference in Vancouver, BC Canada.

We are pleased to announce that Tony Parker, Dave Kendall and John Underwood each received a Certificate from ASME because their paper was selected as the 1999 PVP Outstanding Paper in High Pressure Technology.

The next HPT Committee meeting will be held in conjunction with the 2001 PVP Conference in Vancouver. All are welcome to attend. Please check the 2001 PVP Conference Final Program for the time and location of the meeting. If you would like to participate in the HPT Committee, contact the HPT Chair, Leslie P. Antalfy (281-263-3056 or Leslie.Antalfy@Fluor.com)

Leslie P. Antalfy

Chair, High Pressure Technology Committee

Computer Technology Technical Committee



Jerry Gordon

The Computer Technology Committee traditionally provides a focal point for expertise in computer technology within the PVP Division. The CT Committee addresses issues

relating to software, hardware, algorithms and emerging computer related developments that affect PVP analysis, design and engineering process capabilities. Modern developments in linear and non-linear mechanics, including all aspects of finite element and boundary element development, are of particular interest to this Committee.

The CT Committee officers for 2000-2001 are Jerry Gordon, Chair; Greg Hulbert, Vice-Chair and Journal of Pressure Vessel Technology (JPVT) Associate Editor; T. Wei Lee, Secretary; and Navid Badie, Honors Chair.

The technical sessions for the 2001 PVP Conference are being coordinated by Don Metzger (905-525-9140, ext. 27692) and T. Wei Lee (408-289-4865). Session topics include: Non-Linear FEA Applications, Bolted Joints, Risk Analysis, Meshless Methods, Perforated Material Analysis and Residual Stress. The CT Software Demonstration Forum will be held for the twelfth consecutive year, providing PVP engineers the opportunity to view state-of-the-art design, modeling, and engineering analysis software.

Greg Hulbert (734-763-4456) and Navid Badie (416-207-6675) will serve as Technical Program Representatives (TPRs), coordinating the CT technical sessions at the 2002 PVP Conference in Vancouver, B.C. Canada.

Individuals who are interested in joining the CT Committee, developing technical papers and/or panel sessions, contributing papers, should contact the CT Chair, Jerry Gordon (412-476-6152 or gordonjl@bellatlantic.net) for more information about the CT Committee and future meetings.

Jerry Gordon

Chair, Computer Technology Committee

Seismic Engineering Technical Committee



Kohei Suzuki

The Seismic Engineering Technical Committee is one of the energetic committees of the PVP Division. The purpose of the SE Committee is to enhance and promote the study and application of seismic engineering principles as they relate to the design and operation of pressure vessels, piping and components.

The SE Committee encourages and promotes the expansion of knowledge in a broad range of seismic related topics. Important topics of interest include the fundamental and engineering aspects of seismic design and analysis, damping and energy dissipation, dynamic characteristics and interactions, structural dynamics, structural reliability and probabilistic risk assessment, seismic qualification, testing and analysis

verification, seismic isolation, new or improved evaluation and analysis methods, national or international programs on seismic engineering, and lifeline engineering.

At the 2000 PVP Conference, the SE Committee organized a special forum regarding the topics of "Recent Earthquake Experience and the Lessons Learned", focussing on the damage due to the Izmit Earthquake in Turkey and the Chi-chi Earthquake in Taiwan, both of which occurred in 1999. The SE Committee is continuously supporting the general activities of the PVP Division, whose current chair, A. G. (Jack) Ware, is one of the honorary members of the SE Committee.

Kohei Suzuki

Chair, Seismic Engineering Committee

ASME PVPD Publications



Howard H. Chung

The PVP Division publications include technical paper publications, annual conference announcements and brochures, Division Newsletters, and Division Internet Web pages. Techni-

cal papers are published in the ASME Journal of Pressure Vessel Technology (JPVT), annual PVP Conference symposium volumes, and special publications such as the Decade of Progress series.

The high technical quality of these publications is maintained through the peer review process. During 2000, four JPVT were issued, and 20 special PVP Division publication volumes were published; 19 volumes at the 2000 PVP Division Conference in Seattle, Washington and one at the 2000 International Mechanical Engineering Congress and Exposition in Orlando, Florida. It also should be noted that a special JPVT New Millennium volume was published commemorating the start of the new millennium. For the 2001 ASME PVP Division Conference in Atlanta, Georgia, more than eighteen special volumes are expected to be published. The Division web pages contains up-to-date information on forthcoming annual PVP Division Conferences and the Division personnel. It can be accessed through the ASME web address (www.asme.org/divisions/).

It should be noted that the publication of papers in Conference Proceedings special publications does not preclude authors from submitting their papers to the ASME Journal of Pressure Vessel Technology. In fact, the authors who presented their papers at the PVP Conference are strongly encouraged to submit their papers to the Journal editors along with the peer reviews they have received from the Conference session organizers.

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PUBLICATIONS

2000 ASME PVP Conference in Seattle, Washington

- PVP Vol. 399 Design and Analysis of Pressure Vessels and Piping
 PVP Vol. 400 Emerging Technologies in Risk Assessment, Computational Mechanics, and Advanced Engineering Topics
 PVP Vol. 401 Fitness for Service, Stress Classification, and Expansion Joint Design
 PVP Vol. 402-1 Seismic Engineering-2000, Volume-1
 PVP Vol. 402-2 Seismic Engineering-2000, Volume-2
 PVP Vol. 403 Severe Accidents and Other Topics in the RPV Design
 PVP Vol. 404 Fatigue, Fracture, and Damage Analysis
 PVP Vol. 405 Analysis of Bolted Joints-2000
 PVP Vol. 406 High Pressure Technology-2000
 PVP Vol. 407 Pressure Vessels and Piping Codes and Standards-2000
 PVP Vol. 408 Transportation, Storage, and Disposal of Radioactive Materials
 PVP Vol. 409 Aging Management, Component and Piping Analysis, Nondestructive Engineering, Monitoring and Diagnostics
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PVP 2002 CALL FOR PAPERS

2002 ASME PRESSURE VESSELS AND PIPING DIVISION CONFERENCE

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August 4, 2002 to August 8, 2002



PVP 2002 - Join us in Vancouver, British Columbia, Canada for the 2002 ASME Pressure Vessels and Piping Conference! More than 150 paper and panel sessions are planned, as well as tutorials, NDE and Software demonstrations, and the Student Paper Competition.

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This **CALL FOR PAPERS** provides guidance for submitting abstracts for proposed technical papers for the 2002 ASME PVP Conference based on general topics.

GENERAL TOPICS: (1) Codes & Standards; (2) Computer Technology; (3) Design & Analysis; (4) Fluid-Structure Interaction; (5) High Pressure Technology; (6) Materials & Fabrication; (7) Operations, Applications, & Components; (8) Seismic Engineering; (9) Nondestructive Examination; (10) NRC/ASME Symposium on BPVC Section XI; and (11) Student Paper Competition.

SCHEDULE: Abstracts are to be submitted by **September 30, 2001**. Authors will be notified of abstract acceptance by **October 15, 2001**. Draft papers are to be submitted by **November 30, 2001**. Paper peer review comments will be returned by **January 31, 2002**. Final papers for publication must be submitted by **March 1, 2002**. All accepted papers will be published in Conference Volumes.

CONFERENCE INFORMATION: Updated Conference and paper publication instructions and information are available on the internet at the ASME Home Page, <http://www.asme.org>.

ABSTRACT SUBMITTAL: Mail, fax, or e-mail a 200-word abstract and the contact author's complete affiliation, address, telephone and fax numbers, and e-mail address on the same page as the abstract for each proposed paper to either of the following by **September 30, 2001**:

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ASME PVPD Publications

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Anyone interested in knowing more about the Division publications may contact the PVPD Publications Chair, Howard H. Chung (630-961-1321 or hchung@corecomm.net).

Howard H. Chung
Chair, PVPD Publications

Journal of Pressure Vessel Technology News



Sam Y. Zamrik

The Journal of Pressure Vessel Technology (JPVT), the technical voice of the Division, achieved another milestone in its history by meeting the challenges of Y2K with a special Millennium volume

with contributions from invited authors.

The Millennium Issue covered current and historical topics in the development of pressure vessels and piping technology. The Journal will have a yearly special topical issue concentrated on a specific PVP field. The Materials and Fabrication Committee will have the first topical issue with 23 articles appearing in February titled, "Challenges and Resolutions in Structural Life Prediction", with Guest Editor, Dr. Raj Mohan. The Editorial Board welcomes to its rank Dr. K. K. Yoon, who will be representing the Design and Analysis Committee. The renewed commitment of Richard Gwaltney, David Jones, Jwo Pan and Don Fryer to serve another three-year term is greatly appreciated. The Journal success is attributed to the dedication of its Associate Editors.

Sam Y. Zamrik
Editor, JPVT

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