A Message from the PVP Division Chair

As we stand on the foundation laid for us by our predecessors of the Pressure Vessels and Piping (PVP) Industry and Academy for over a half century, the ASME-PVP Division has embarked on a New Era for Service to the technical community. Organized as a technical division of the ASME in 1966 in response to the interest of members to the rapidly changing and expanding technology of pressure boundary containment, its leadership had a global vision to be an international body and to have international experts involved in the PVP Division growth. The PVPD Mission 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.

The PVP division evolved over the years from a small division to a larger, thriving community with eight technical committees and a strong, vibrant membership. The purpose of the annual PVP Conferences is to be a forum where engineers, and (Continued on page 2)

A Message from the Conference Chair

Join us in beautiful San Antonio for the 2019 ASME Pressure Vessels & Piping Conference where we’ll explore the “Future Technology Trends in the Global Pressure Vessel & Piping Industry”. The ASME PVP Division is sponsoring PVP-2019 conference in cooperation with the ASME NDPD Division. The Conference will be held from July 14—19, 2019 in the Texas most popular city of San Antonio. After 12 years, the PVP conference is back to the beautiful Hyatt Regency San Antonio, the only hotel located directly on the world-famous River Walk, a 15-mile treasure that connects the city to its historic roots while paving its path to the future. So why not bring the whole family to the venue that overlooks the Alamo and has an easy access to the city’s most popular attractions and enjoy an authentic San Antonio atmosphere and hospitality. Indeed, San Antonio is an ideal place for vacations and touring before and after the conference.

For more than half a century, the PVP Conference has been an ideal platform for staying current with emerging technologies, networking and meeting the world’s leading experts and practitioners from industry and academia in the area of pressure vessels and piping. As a recognized forum with participants from more than 40 countries of Europe, Africa, the Middle East, Asia, the Americas and Oceania islands, there is no better professional gathering to promote and advance PVP technologies. The preparation of the conference is in full swing. More than 200 technical sessions are planned including paper and panel sessions, workshops and tutorials, a conference exhibition and Technology Demonstration Forum, a technical tour and the 27th Rudy Scavuzzo Student Paper Symposium and Competition.

The general topics of PVP-2019 Conference are: (1) Codes & Standards; (2) Computer Technology & Bolted Joints; (3) Design & Analysis; (4) Fluid-Structure Interaction; (5) High Pressure Technology; (6) Materials & Fabrication; (7) Operations, Applications, & Components; (8) Seismic Engineering; (9) Non-Destructive Examination; and (10) the 27th Rudy Scavuzzo Student Paper Competition and Symposium. The PVP-2019 Conference website at https://www.asme.org/events/pvp gives details on the venue, registration, conference publication schedule, and up-to-date information on PVP-2019 Conference activities. In addition to being an outstanding conference for exchanging state-of-the-art technical information on Pressure Vessel and Piping, PVP-2019 will provide many social and net- (Continued on page 2)
Division Chair Message

(Continued from page 1)

The 2018 PVP Conference was held in Prague, Czech Republic July 15-19, 2018. The PVP Division was the primary sponsor of this Conference, with additional participation by the ASME Nondestructive Evaluation, Diagnosis and Prognosis Division (NDPD). The Conference was a success, with over 800 participants and their guests in attendance. There were approximately 648 written papers, 68 presentations arranged in 221 technical and panel sessions. There were two special tutorials, and four technical tutorials presented at the conference. A special event is held to encourage the participation, and involvement of early career engineers, as well.

The first International Workshop on Creep and the conference seated 200 participants and their guests in attendance. There were 18 papers presented, including the following:

1. "Impact of Renewable Energy Generation on Fossil Fuel Power Plants — Challenges of Flexibility Considering Fatigue and Creep-Fatigue" by Dr. Luboš Prchalík, Director of Turbogenerator Products, Doosan Škoda Power.
2. "Addressing the Challenges of Commercial Nuclear Power in the United States" by Christine King, Vice President & Chief Nuclear Officer, Nuclear Division Structural Integrity Associates, Inc.
4. "Case Studies of Creep Fatigue in Nuclear Applications" by Doug A. Scarth, ASME Codes and Standards.

The conference was attended by members from 41 countries covering the continents of the globe. Said Jahanmir, ASME President attended the conference, and addressed the attendees on several events of the conference.

I would like to thank all the volunteers who helped develop this outstanding conference including all Authors, Reviewers, Session developers, Topic organizers, Tech.

Conference Chair Message

(Continued from page 1)

PVP-2019 Conference venue, Hyatt Regency San Antonio Riverwalk

working activities. The details on the social program including two tours and the conference wide reception, the Honors and Awards Gala, the Early Career Engineers & Students Reception and the Networking Reception will be posted on the conference website.

So please save these dates in your agenda, and come and join us in San Antonio; we look forward to seeing you there.

Hakim A. Bouzid
PVP-2019 Conference Chair

A Message from the PVP Division Senate

The PVP Division Rudy Scavuzzo Student Paper Symposium and 26th Annual Student Paper Competition were held at the 2018 PVP Conference in Prague, Czech Republic.

This year there was a total of 22 papers that were selected for the Student Paper Competition and Symposium. There were seven final papers in the Student Paper Competition under the BS/MS category, eight final papers in the Student Paper Competition under the PhD category, and seven honorable mention papers in the Student Paper Symposium under the PhD category. The submitted papers had student authors from nine different countries in Asia, Europe and North America. All finalist and honorable mention authors produced a poster that was displayed at the annual Conference-wide reception that was held on Monday evening of the Conference. The Second Runner-up, First Runner-up and Winner for the BS/MS and PhD categories were chosen and recognized at the Honors and Awards Gala at the Conference.

The best presenting author of the honorable mentions of the PhD category was chosen and also recognized at the Honors and Awards Gala. I would like to thank all of the student authors for their participation.

Preparations are underway for the Rudy Scavuzzo Student Paper Symposium and 27th Annual Student Paper Competition that will be held at the 2019 PVP Conference in San Antonio, Texas. The rules and procedures for this year’s Symposium and Competition are provided on the Conference web site. Again this year, all finalists are required to produce a poster that will be displayed at the annual Conference-wide reception held on Monday evening of the Conference. Locating the poster session as part of the Monday evening recept-

To subscribe to Journal of Pressure Vessel Technology, please contact:

E-mail: CustomerCare@asme.org, Phone: 1-800-843-2763 or 1-973-882-1170, Fax: 1-973-882-1717
Awards Presented at 2018 PVP Conference in Prague, Czech Republic

Continuing with the format that started two years ago with the 50th Anniversary in Vancouver, the PVP Division held its evening Honors and Awards Gala to recognize the many contributions to the Society and the PVP Division. In keeping with our theme last year of incorporating local entertainment, the awards were interspersed with the music of the String Ladies, a Prague based trio that played classical and modern local selections with electric string instruments.

The highlight of the awards was the presentation of the 2018 ASME S.Y. Zamrik Pressure Vessels & Piping Medal to Dr. Mordechai Perl. Dr. Perl is the world-recognized expert in the field of large caliber gun barrels. This expertise has greatly enhanced the state of the art for high pressure vessels such as those covered by Section VIII, Division 3. His work in fracture mechanics and particularly with swage autofrettage is considered the international benchmark. He has stewarded other researchers in this field by acting as Associate Editor of the Journal of Pressure Vessel Technology for 12 years and was the sole guest editor for the most recent special edition on this topic.

(Continued on page 4)

Professional Development Activities

The PVPD is celebrating its 52nd anniversary in 2018. The division celebrated its continuous commitment to the development of the engineering profession in general and in the pressure vessel and piping area, in particular. Division chair, Maher Younan, served as professional development chair for the 2018 conference, due to the unexpected passing of our friend and colleague, Darren Stang. As part of this continuing commitment, the division organized one special tutorial and three technical tutorials at its PVP 2018 conference. Several of these tutorials emphasized topics related to the pressure vessels & piping industry. Attendees of the special, and technical tutorials received a certificate for their participation.

One key emphasis in 2018 professional development is the focus on early career engineers. Besides what is described in the Conference Chair message, a Special Tutorial on “Navigating Corporate Culture for Professional Advancement” was prepared and presented by L. Ike Ezekoye. This tutorial explored the personal and corporate roadblocks that can limit professional advancement of engineers. Ike provided guidance on marketing skills and capabilities to management, covered corporate mentoring and other areas of professional development. Additionally, Dan Peters presented a tutorial entitled “Overview of ASME Section VIII Division 1 – Design Rules for Construction of Pressure Vessels.” This overview was intended for early career and beginning Code users who want to have a basis for application of ASME’s most widely used Code or Standard.

Four Technical Tutorials were made available to conference attendees at the 2018 Prague conference. First, a tutorial entitled, “Aging Management for Spent Fuel Dry Storage and Subsequent Transportation,” was presented by Zenghu Han and Yung Liu of Argonne National Laboratory. In this tutorial, they examined issues related to aging management and license renewal of an independent spent fuel storage installation (ISFSI) for the extended long-term dry storage of spent nuclear fuel (SNF) and its subsequent transportation.

The second technical tutorial on, “Fracture Mechanics Applications to Piping” was presented by Gery Wilkowski and Bud Brust – of Emc3, Columbus, Ohio. The tutorial is targeted for those new to flaw assessment/tolerance analyses, and also provides some overview of methodologies for those willing to undertake advanced applications.

The third Technical Tutorial is titled, “Practical Fatigue Analysis”. This technical tutorial provides an overview of basic & advanced fatigue analysis and implementation of these methods in life cycle calculation. The tutorial was led by Kumarswamy Kannan who is a Specialist Engineer, Multiphysics Technology R&D in TechnipFMC.

Finally, a tutorial entitled “Brittle Fracture Assessment Involving Auto-Refrigeration and Toughness Rules from ASME BPV Section VIII”. This tutorial was prepared by Kannan Subramanian, of Stress Engineering Services, an expert in pressure vessel and piping design and fabrication during the engineering and construction phases of petroleum product industries. Kannan discussed the basics of brittle fracture, its effect on the petrochemical industry, the toughness rules in BPVC that are commonly used to prevent such fractures, auto-refrigeration, other common excursion events, and the assessment methods to protect the assets from an excursion event.

Pierre Mertiny
PVP Division Chair and 2019 Professional Development Chair

Division Chair Message

(Continued from page 2)
PVPD Honors and Awards Report

(Continued from page 3)

The PVP Division was pleased to recognize Ronald Hafner, Alton Reich, and Trevor Seipp as new ASME Fellows. The PVP Division congratulates these outstanding members in their elevation to ASME Fellow grade membership. The ASME Board of Governors’ Award was presented to the outgoing PVP Division Chair, Maher Y.A. Younan, in recognition of his significant contributions in leading the Division.

The Luc H. Geraets Corporate Appreciation Award was presented to KEPCO E&C for long-standing contributions to the PVP Division, and for the continued support of the corporation’s staff participation in the activities of ASME. The award was accepted by Jee Kyekwang, Senior Vice President.

The S. S. Chen PVP Outstanding Service Award was presented to Ravi Baliga for his dedication and exemplary service to the Division. Certificates of Appreciation were presented to individuals for services including Technical Committee Chair, services to the Technical Committees, Plenary Speaker at the 2018 PVP Conference, presenting a tutorial or workshop at the 2018 PVP Conference. In each Technical Committee, Certificates of Appreciation were presented to the authors of the Outstanding Technical Paper from the 2017 PVP Conference. Certificates of Appreciation were also presented to out-going Associate Editors of the ASME Journal of Pressure Vessel Technology. Certificates of Recognition were presented to individuals for their role as Technical Program Representative for the 2018 PVP Conference and for services to the Technical Committees. Certificates of Recognition were also presented to Finalists and Winners of the Rudy Scavuzzo Student Paper Symposium and 26th Annual Student Paper Competition. Conference awards were presented to the developers of the Outstanding Technical Session and Outstanding International Technical Session of the 2017 PVP Conference. Recipients of the ASME Journal of Pressure Vessel Technology G.E.O. Widera Literature Award and Editor’s Choice Award for 2017 were also recognized.

This year, the Division instituted recognition of our Early Career Engineers, not only to recognize good technical work done by early career engineers, but also to acknowledge their employers for encouraging their participation in the conference.

The Luc H. Geraets Corporate Appreciation Award was presented to KEPCO E&C for long-standing contributions to the PVP Division, and for the continued support of the corporation’s staff participation in the activities of ASME. The award was accepted by Jee Kyekwang, Senior Vice President.

The S. S. Chen PVP Outstanding Service Award was presented to Ravi Baliga for his dedication and exemplary service to the Division. Certificates of Appreciation were presented to individuals for services including Technical Committee Chair, services to the Technical Committees, Plenary Speaker at the 2018 PVP Conference, presenting a tutorial or workshop at the 2018 PVP Conference. In each Technical Committee, Certificates of Appreciation were presented to the authors of the Outstanding Technical Paper from the 2017 PVP Conference. Certificates of Appreciation were also presented to out-going Associate Editors of the ASME Journal of Pressure Vessel Technology. Certificates of Recognition were presented to individuals for their role as Technical Program Representative for the 2018 PVP Conference and for services to the Technical Committees. Certificates of Recognition were also presented to Finalists and Winners of the Rudy Scavuzzo Student Paper Symposium and 26th Annual Student Paper Competition. Conference awards were presented to the developers of the Outstanding Technical Session and Outstanding International Technical Session of the 2017 PVP Conference. Recipients of the ASME Journal of Pressure Vessel Technology G.E.O. Widera Literature Award and Editor’s Choice Award for 2017 were also recognized.

This year, the Division instituted recognition of our Early Career Engineers, not only to recognize good technical work done by early career engineers, but also to acknowledge their employers for encouraging their participation in the conference.

This year’s inaugural Early Career Leadership Award was presented to Kannan Subramanian for his participation and leadership in two Technical Committees as well as his actions in encouraging other early career engineers to get involved. In addition, we instituted an award for the Outstanding Technical Paper from an Early Career Engineer at the 2017 PVP Conference to Karson Clark for his paper “The Effects of Low Temperature Diffusion Treated Fasteners on Thread Galling Resistance.”

Please follow the PVP Division on Twitter @asme_pvp and in the LinkedIn Group “ASME-PVP Pressure Vessels and Piping Division” for updates on the upcoming conference, as well as updates on Honors and Awards. In the weeks leading up to the 2018 Conference, we provided daily updates on the various Honors and Awards that were presented during the Conference. We will continue to do the same for the 2019 Conference.

Clay D. Rodery
Chair, PVPD Honors & Awards

PVP Division Senate Report

(Continued from page 2)

tion provides an excellent opportunity for the Conference attendees to recognize and honor the student authors, and for the authors to discuss their work.

The Senate continues to have significant participation in a number of activities of the Division. Support is provided to the overall annual Conference execution with various functions at the Conference throughout the week. The Senate is engaged in facilitating collaboration between ASME Standards and Certification and the Division, where the Senate organizes activities at the annual Conference to support a number of ASME Codes and Standards. The Senate also supports outside organizations, such as the Electric Power Research Institute (EPRI), to hold Workshops at the annual Conference or at other venues.

Douglas A. Scarth
Chair, PVP Division Senate Operations Committee

PVPD Communications Report

All papers presented at the PVP-2018 Conference were made available to conference attendees on a USB memory stick or on a CD that was distributed to the Conference attendees with their registration packets. In addition to the on site preliminary proceedings, an ISO batch download of the PVP2018 conference proceedings are made available to you through the conference papers online site at the URL https://asme.pinetc.com/pvp2018/index.html.

The site will be available for download till July 31, 2019. If you need assistance to login or require more time to complete your download, please contact ASME at toolboxhelp@asme.org.

Eight paper volumes of the PVP-2018 Conference Proceedings were also published after the Conference. These print volumes are:

- Codes & Standards (Parts A & B)
- Computer Technology & Bolted Joints
- Design & Analysis
- Fluid-Structure Interaction
- High-Pressure Technology, ASME NDE Division, 26th Scavuzzo Student Paper Symposium & Competition,
- Materials and Fabrication (Parts A & B)
- Operations, Applications, & Components
- Seismic Engineering

Thank you to all who have worked so hard to develop the PVP-2018 program and to all the authors for their contributions. The volumes of the PVP-2018 Conference Proceedings include pages recognizing the dedication and the outstanding effort of the Track Organizers and Session Organizers, who contribute countless hours to the development of the PVP Conference sessions.

The PVPD Newsletter is published twice a year in Fall/Winter and in Spring. All articles of interest to the PVP community are welcome. To submit an article to the PVPD Newsletter, please contact the PVPD communication chair.

Andrew Duncan
Chair, PVPD Communications
The Journal of Pressure Vessel Technology (JPVT) is unique as compared to most of other journals. Most journals focused on specific engineering topics while JPVT covers a very wide spectrum of topics that are related to pressure vessels and piping technology. For example, the journal publishes papers dealing with codes and standards, fracture and fatigue, creep, fluid-structure interaction, seismic engineering, fabrication and manufacturing, life extension, pump and valves, welding, bolted joints and gaskets, etc. Therefore, the journal requires Associate Editors and reviewers with very diverse expertise.

To support the journal, four new Associate Editors joined recently. They are Bostjan Bezensek, Joseph Kapp, Marwan Hassan, and Victor Janzen. I greatly appreciate them for their volunteering for such a demanding work. They have already started their services to the journal.

The journal is in a steady stream with the expanded publication pages. The Impact factor also improved by more than 60% this year. This is a very encouraging news for the journal.

The special topic on “Na-tech” risk assessment methodologies and mitigation solutions in the process industries” will be included in the December issue of 2018. Oreste Bursi, Tomoyo Taniguchi and Fabrizio Paolacci served as the guest editors. This is a timely topic and their contributions are sincerely appreciated.

Two new special issues are being planned. They are “Current Trends for PVP Technology” and “Emerging Technology and Manufacturing for PVP Technology.” Akira Maekawa, Kiminobu Hojo, and Marwan Hassan are the guest editors of the special issues.

The JPVT publishes not only research papers but also design innovation and technology review papers. All papers should be submitted to http://journaltool.asme.org/Content/index.cfm to be considered for publication in the journal.

As always, I would like to express my sincere appreciations to Authors, Reviewers, Associate Editors, and ASME Staff for their contributions to the journal. They are the core of the journal.

Young W. Kwon
JPVT Editor

What’s on My Mind?

Several great memories will be revived when we meet at the 2019 PVP conference in San Antonio. In 2007, the PVP division hosted a conference in San Antonio with CREEP8 (the 8th International Conference on Creep and Fatigue at Elevated Temperatures). One special memory stands alone in that it was the birth of the PVP conference outside North America.

At the conference in San Antonio under the leadership of Jim Cory, our late colleague, Dr. Luc Geraets, proposed that PVP should become international by hosting a conference in Prague, Czech Republic for 2009. He said that we should “spread our wings” and look beyond North America for future conference venues. The idea was met with number of concerns and ASME Staff added an obstacle, where in Europe, a conference must pay 50% of estimated revenue, in advance. For this and other reasons, the proposal was rejected. However, Luc insisted that we continue to explore other means of holding our conference in Prague.

Since the financial issue was the major concern, the Division Executive Committee decided to send a delegation to Prague to negotiate with Hilton hotel management and to look into opportunities of hosting a conference there. Luc, Jim Cory, myself and ASME staff traveled to Prague and met with Hilton management. After hours of discussion and exchange of proposals, the Hilton Management accepted our proposal that included only a modest down payment. The conference was held there in 2009 under Luc’s leadership. As he predicted, the conference was a success that exceeded all our expectations.

With such experience, PVP ventured to Paris in 2013 and again to Prague in 2018 (the conference being held again at the same venue). With Pierre Mertiny as Chair, the 2018 conference was a truly international affair with great attendance from China, S. Korea, Europe, USA and number of other countries.

Certainly, the success of the PVP conference in Paris and the repeat of the Prague conference are a tribute to our departed colleague, Luc H. Geraets, and his legacy that inspired us all.

Sam Y. Zamrik
Conference Advisor

The ASME Digital Collection

Founded in 1880 as the American Society of Mechanical Engineers, ASME is the premier professional membership organization for more than 140,000 mechanical engineers and associated members worldwide. ASME also conducts one of the world’s largest technical publishing operations in the world, offering thousands of titles including some of the profession’s most prestigious journals, conference proceedings, and ASME Press books.

- The ASME Digital Collection, previously known as The ASME Digital Library, is ASME’s repository of current and archival literature featuring:
  - ASME’s Transaction Journals from 1960 to the present.
  - ASME’s Conference Proceedings from 2002 to the present.
  - ASME Press eBooks selected from 1993 to the present.

Additional information can be found at: http://asmedigitalcollection.asme.org

---

If you are interested in applying for ASME Membership, please visit https://www.asme.org/about-asme/professional-membership
New Faces, Enduring Legacy

Notable transitions happened during the annual meeting, in Prague. Pierre Mertiny assumed the role of Division Chair. Hakim Bouzid will take over as conference chair for 2019. The Division Leadership Team (DLT) also added two new members; Clay Rodery and Andrew Duncan assumed new positions in 2018. Clay is handling the coordination of Honors and Awards for the Division. Andrew assumed the responsibility for communications for the DLT. Technical committees will also have a new look in 2018. Ryan Crane will serve as the codes and standards chair. Please help these new leaders share their enthusiasm with you at the next PVP-2019.

PVP members recognized for ASME leadership

Two PVP senators were recognized by for their contributions to the society. Dan Peters was awarded the J. Hall Taylor Medal. “For outstanding contributions to the development and promotion of ASME codes and standards for pressure equipment; and for efforts to enhance public safety and component reliability through dedicated service on the Society’s pressure vessel and piping committees.” In addition to the recognition received by Dan’s, Carl Jaske was awarded the Pipeline Systems Medal for outstanding contributions in the field of pipeline systems including, but not limited to, research, development, teaching, and significant advancements in the field. Please take this opportunity congratulate both of these PVP family members for their individual achievements.

The passing of Dr. Samir Ziada

The Fluid-Structure Interactions community has lost a key researcher in the areas aero-acoustics, acoustics-induced vibrations and flow-sound interaction mechanisms and their control. Sadly, Dr. Samir Zaida passed away in August 2018. He was a frequent contributor to ASME-PVP Fluid-structure Interactions committee as a member and leader for more than 25 years. Dr. Ziada had been a Professor at McMaster University since 1998 and was the former Chair of the Department of Mechanical Engineering. Prior to ’98, he worked at the Laboratory of Fluid Mechanics and Acoustics of Sulzer Innotec Ltd in Switzerland for 17 years. His tenure at McMaster University was distinguished with several research and academic achievements, including the Premier Research Excellence Award of Ontario, the Merit Award for Excellence in Teaching and the President’s Award for Excellence in Graduate Student Supervision. He was a regular consultant to several industrial institutions, including the US Nuclear Regulatory Commission, Argonne National Laboratory, Brookhaven National Laboratory, among others.

Dr. Ziada was a Fellow of the ASME and the CSME (Canadian Society of Mechanical Engineers).

In recognition of Dr. Ziada’s contribution to research in fluid-structure interactions and particularly in aero-acoustic, the FSI Technical committee will conduct a Special Session(s) in Memory of Dr. Samir Ziada, as part of the Symposium on Flow-Induced Vibration (FSI-2).

Samir will be sorely missed by his family. A link to his obituary can be found here. https://dailynews.mcmaster.ca/worthmentioning/remembering-samir-ziada/

PVP & NAS Hold Failure Analysis Workshop

Any facility which operates equipment will likely experience failures of one sort or another over its lifetime. To assist in determination and mitigation of plant failures, a one-day ‘Failure Analysis Fundamentals’ workshop was held at University of Alberta, Edmonton, Canada on November 23, 2018. A group of 67 engineers, operations personnel, asset integrity management personnel, maintenance personnel and equipment owners and students participated in this workshop, which was hosted by the ASME Northern Alberta Section (NAS) and sponsored by the Pressure Vessels and Piping Division (PVP). The workshop was designed to provide an overview of the investigation process, Root Cause Failure Analysis (RCFA) methodologies, and some technical tools that can be used to assist with RCA. Susan Lubell (Steppe Consulting) facilitated a discussion around RCFA methodologies, while Robert Thom (Stress Engineering) gave an overview on failure analysis tools. Matthew Bell (IRIS NDT), Earl Boyd (Solutions 4ltd) and Knut Gausvik (Motion Industries) discussed material failure analysis and presented several case studies from industry.
The ASME PVP Bolted Joint Reliability Symposium (BJRS) promotes knowledge sharing, technological progress and international cooperation for advancing bolted joints and sealing technology for the pressure vessel and piping industry. The presentations will disseminate the scientific and real-world knowledge in the area of bolted joints, including current and future design rules for bolted flange connections based on tightness (ASME SWG-BJ, EN1591), modern flange assembly guidelines and best practices (ASME PCC-1), gasket selection and assembly for obtaining desired performance/reliability (Example LDAR), and sharing of Lessons-Learned and Best Practices from industry experts and engineering colleagues.

**Tracks/Topics**

- Understanding BFC Design Methods
  - ASME Section VIII division 1 Appendix 2
  - New BFJ design rules, SWG on BFC
  - EN1591
  - JIS under adoption
  - Other methods (Analytical, FEM, Non-Circular Flanges, Flat Face Flanges)

- BFC Assembly
  - Torque Calculation Methods
  - PCC1, Appendix F, Alternative Flange Assembly Methods & Field Experience
  - Factors Involved in Determining Nut Friction Factor
  - Hydraulic Tensioning and Torquing
  - Elastic Interaction
  - PCC-1 Appendix A Flange Assembler Qualification

- Gaskets and Packings
  - Torque Calculation Methods
  - New Technologies
  - Gasket and Packing Selection
  - Performance Testing Methods/Standards and Their Use
  - EN13555, ROTT, HOBT2 w/Cycles, ASTM (Gb a Gs, m & Y), API622

**Tutorial Topics**

- Fasteners
  - New Technologies
  - Performance Capabilities and Limits of Coated Bolts
  - Research and field experience on fatigue, yield, cyclic loading, etc.

- LDAR/Emissions Compliance
  - Packings, Gaskets
  - BACT (Best Available Control Technology) Compliance

- BFC Lessons Learned: Product or application case histories

- Non-metallic Flanges & Unique Equipment BFC Performance
  - PTFE Lined
  - Polymeric (PVC, HDPE), FRP, Dual-Laminate
  - Glass Lined
  - Rubber Lined

**Important Dates**

- May 28, 2019 Submission of Abstract
- June 11, 2019 Author Notification of Abstract Acceptance
- July 23, 2019 Session Finalized
- August 03, 2019 Program Output

**Technical Program Committee**

- Jerry Waterland
  - Jerry.Waterland@vsptechnologies.com
- Clay Rodery
  - roderyc@asme.org

**Hakim Bouzid**
  - hakim.bouzid@etsmtl.ca
**Warren Brown**
  - wbrown@integrityes.com
**Dan Peters**
  - asmepeters@gmail.com
PVP2019 – San Antonio, Texas
Hyatt Regency San Antonio Riverwalk
July 14–19, 2019

2019 ASME Pressure Vessels & Piping Conference
Futuristic Technology Trends in Pressure Vessels and Piping

PVP2019 Join us in the beautiful city of San Antonio, Texas, for the 2019 ASME Pressure Vessels & Piping Conference. PVP2019 brings future technologies to the Pressure Vessels and Piping Industry. More than 180 paper and panel sessions are planned, as well as tutorials and workshops, a Technology Demonstration Forum, and the 27th Rudy Scavuzzo Student Paper Symposium and Competition. The PVP Conference is an ideal platform for keeping up with new technologies, networking and meeting world leading experts and practitioners in the Pressure Vessels and Piping area. The PVP Conference is a recognized international forum with participants from over 40 countries in Europe, Africa, the Middle East, Asia, the Americas, and the Oceania islands. The ASME Pressure Vessels & Piping Division will sponsor the PVP2019 Conference with participation by the ASME NDPD Division.

GENERAL TOPICS: (1) Codes & Standards; (2) Computer Technology & Bolted Joints; (3) Design & Analysis; (4) Fluid-Structure Interaction; (5) High Pressure Technology; (6) Materials & Fabrication; (7) Operations, Applications & Components; (8) Seismic Engineering; (9) Non-Destructive Examination; and (10) 27th Rudy Scavuzzo Student Paper Symposium and Competition. Technical areas will include developments in Codes and Standards, design methodologies including elastic-plastic analysis, non-destructive examination, fitness-for-service, operation and maintenance, creep, fatigue, stress corrosion cracking, residual stresses, fracture toughness, elevated temperature components, non-metallic components, dynamically-loaded structures, flow-induced vibration and risk-based assessments.

SCHEDULE: Abstracts are due in November, 2018. Authors will be notified of abstract acceptance by November 26, 2018. Draft papers are due by February 4, 2019. Paper peer review comments will be returned by March 4, 2019. A Copyright Agreement Form for each paper must be submitted by April 1, 2019. The final manuscripts in the standard ASME format for publication must be received by April 8, 2019. All presented technical papers will be published as citable documents available post-conference.

INFORMATION: The conference website URL is: http://www.asmeconferences.org/PVP2019/. Technical paper abstracts must be submitted electronically through the website. Please visit the website for additional information.

PVP Conference Chair
Hakim A. Bouzid
École de Technologie Supérieure
Department of Mechanical Engineering
1100, Notre-Dame West
Montréal, Québec, Canada, H3C 1K3
Phone: 1-514-396-8563
E-mail: hakim.bouzid@etsmtl.ca

PVP Technical Program Chair
Trevor Seipp
Becht Engineering Canada, Ltd.
210A-4720 106 Ave SE
Calgary, Alberta, Canada, T2C 3G5
Phone: 1-403-668-7274
E-mail: seippt@asme.com
2018–2019 Pressure Vessels & Piping Division Officers

EXECUTIVE COMMITTEE

Chair
Pierre Mertiny
University of Alberta
Mechanical Engineering Department
4-9 Mechanical Engineering Building
Edmonton, Alberta, T6G 2G8, Canada
Phone/Fax: 780-492-6982/780-492-2200
E-mail: pmertiny@ualberta.ca

Vice Chair
Hakim A. Bouzid
Dept. of Mechanical Engineering
École de Technologie Supérieure
1100 Notre Dame Ouest
Montreal, Quebec, Canada H3C 1K3
Ph/Fax: 514-396-8563/514-396-8530
E-mail: hakim.bouzid@etsmtl.ca

Programs
Matt R. Feldman, P.E.
ORNL Transportation Technologies Group
National Transportation Research Center
2360 Cherahala Blvd.
Knoxville, TN 37932, USA
Phone/Fax: (865) 946-129/865) 574-343
E-mail: feldmanm@ornl.gov

Communications
Andrew Duncan
Savannah River National Laboratory
D-1123 Bldg 773-A, Savannah River Site,
Aiken, SC 29808-0001 Ph: +1-803-725-4996
Email: andrew.duncan@srl.doe.gov

Honors and Awards
Clay D. Rodery
C&S Technology, LLC
2220 Crimson Cove Court
League City, TX 77573
Ph: +1-832-661-0625
Email: roderyc@asme.org

Professional Development
Pierre Mertiny
University of Alberta
Mechanical Engineering Department
4-9 Mechanical Engineering Building
Edmonton, Alberta, T6G 2G8, Canada
Phone/Fax: 780-492-6982/780-492-2200
E-mail: pmertiny@ualberta.ca

SENATE of PAST PVP CHAIRS

President
Douglas A. Scarth
Kinetics Inc.
800 Kipling Ave
Toronto, Ontario, Canada
Ph/Fax: 416-207-6000 ext 6383/416-236-0979
E-mail: Doug.Scarth@kinetics.com

Finance
Michael E. Nitzel
M.E. Nitzel Engineering Services
12839 Lakecrest Drive
Nampa, ID 83686
Ph: +1-208-465-6434
Email: gmnitzel@msn.com

Member (SOC)
William J. Bees
503 McEntee Drive
Wadsworth, Ohio 44281
Ph: +1-330-336-4668
Email: wjbees@gmail.com

PVP CONFERENCE ADVISOR
Sam Y. Zamrik
Prof Emeritus, Engineering Mechanics
Penn State University.
Univ. Park, Pennsylvania 16802
307A Earth & Engineering Sciences Bldg.
ASME Past-President
Phone: 814-865-5241
Email: syz1@psu.edu

J. of PRESSURE VESSEL TECHNOLOGY
Editor
Young W. Kwon
Naval Postgraduate School
700 Dyer Road
Monterey, CA 93943
Ph/Fax: 831-656-3468 / 2238
Email: ywkwon@nps.edu

ADMINISTRATIVE COMMITTEES
Membership Chair
Bing Li
Kinetrics, Inc.
Unit 5, 665 Philip Place
Kincardine, Ontario, N2Z 2G8, Canada
Ph: +1-519-396-9068
Mobile: +1-647-409-1823
Email: bingli@kinetics.com

Publicity Chair and Newsletter Editor
Andrew Duncan
Savannah River National Laboratory
D-1123 Bldg 773-A, Savannah River Site,
Aiken, SC 29808-0001 Ph: +1-803-725-4996
Email: andrew.duncan@srl.doe.gov

International Coordinator
Xian-Kui Zhu
Structural Integrity & Modeling
EWI
1250 Arthur E. Adams Dr.,
Columbus OH 43221
Phone: 614.688.5135
Email: xzhu@ewi.org

TECHNICAL COMMITTEE CHAIRS
Codes & Standards
Ryan L. Crane
ASME
2 Park Avenue
New York, NY 10016-5990, USA
Ph: +1-212-591-7004
Email: cranner@asme.org

Computer Technology & Bolted Joints
Mr. Jerry Waterland, III,
VSP Technologies
8140 Quality Drive
Prince George, VA 23875
Phone: 804-668-1025
Jerry.Waterland@vspttechnologies.com

Design & Analysis
Ravi Baliga
ADVENT Engineering Services
12647 Alcosta Boulevard, Suite 440
San Ramon, CA 94583
Phone/Fax: (925) 830-4700/(925) 830-1269
Email: rbaliga@adventeng.com

Fluid-Structure Interaction
Tomoyo Taniguchi
Tottori University - Dept of Civil Engineering
4-101 Koyama-Minami
Tottori 680-8552 Japan
Ph/Fax: +81-857-31-5287 / +81-857-28-7899
Email: t_tomoyo@cv.tottori-u.ac.jp

High-Pressure Technology
Karl Simpson
Exxon Mobil Chemical BRPP
11675 Hwy 19
Baton Rouge, LA 70807
Phone: 225-977-6792
E-mail: karl.c.simpson@exxonmobil.com

Materials & Fabrication
Michel Brongers
Det Norske Veritas Columbus, Inc.
5777 Frantz Road
Dublin, OH 43017-1386
Ph/Fax: 614-761-1214/1633
Email: michiel.brongers@dnv.com

Operations, Applications & Components
Georges Bezdikian
GB Consult.
Phone: 336 2024 6216
E-mail: georges.bezdikian.ext@areva.com

Seismic Engineering
Paolacci, Fabrizio
Assistant Professor, Roma Tre University
Phone: 65736418
Email: paolacci@uniroma3.it

ASME STAFF
Jamie Hart
Manager, Conferences and Events,
11757 Katy Freeway, Suite 380
Houston, TX 77079
Tel: (281) 710-9123
E-mail: hartje@asme.org

Danielle Rojas
Manager, Conferences and Events
11757 Katy Freeway, Suite 380
Houston, TX 77079
Tel: (281) 710-9123

********

PVPD Newsletter Committee
Andrew Duncan, Editor
Pierre Mertiny, Division Chair
To submit an article for upcoming issues of the PVPD Newsletter, please contact the incoming communications chair, Andrew Duncan, at andrew.duncan@srl.doe.gov.