CALL FOR PAPERS

2027 ASME Pressure Vessels & Piping Conference

ABSTRACTS DUE – OCTOBER 19, 2026

JOIN US AT THE 2027 ASME PVP CONFERENCE
JULY 25 – 30, 2027, AT THE PARIS MARRIOTT RIVE GAUCHE HOTEL AND CONFERENCE CENTER
PARIS, FRANCE

PRESSURE VESSELS AND PIPING TECHNOLOGIES FOR FUTURE GROWTH

Join us in Paris, France for the 2027 Pressure Vessels and Piping Conference as we contribute to supporting advancements in Pressure Vessels & Piping Technologies for future growth of power and process industries. The PVP Conference is the ideal platform to keep up with new technologies, network, and interact with experts, practitioners, and peers in the Pressure Vessels & Piping area. The PVP Conference is a recognized international forum with participants from more than 40 countries in Europe, Africa, the Middle East, Asia, the Americas and the Oceania islands. The ASME Pressure Vessels & Piping Division sponsors the PVP Conference.

PAPER & PANEL SESSIONS

More than 160 paper and panel sessions are planned, including tutorials, workshops, AI & other symposiums, and Technology Exhibits. General topics will include:

- Advanced Energy
- Computer Technology & Bolted Joints
- Fluid-Structure Interaction
- Non-Destructive Examination
- Seismic Engineering
- Codes & Standards
- Design & Analysis
- High-Pressure Technology
- Materials & Fabrication
- Operations, Applications & Components

SCHEDULE FOR SUBMISSION*

October 19, 2026	Abstracts are due
November 16, 2026	Abstract Accept/Reject Notification
January 25, 2027	Submission of Full-Length Paper for Review
March 8, 2027	Notification of Full-Length Paper Acceptance
March 23, 2027	Submission of Revised Full-Length Paper for Review (if required)
April 5, 2027	Notification of Acceptance of Revised Full-Length Paper
April 22, 2027	Copyright Agreement Form (for each paper co-author) Final Deadline
April 26, 2027	Technical Paper and Presentation Author Registration Deadline
April 26, 2027	Final Manuscripts in ASME format for publication due

**All final manuscripts must be submitted in the standard ASME format for publication. All presented technical papers will be published as citable documents available post-conference.*

FOR MORE INFORMATION

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PVP Technical Program Chair
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(1) Advanced Energy (AE)

AE-01	Hydrogen Pipelines
AE-02	High Pressure Hydrogen Equipment
AE-03	Hydrogen Facilities and Piping
AE-04	Materials for Cryogenic Hydrogen Service
AE-06	Non-metallics for Hydrogen Service
AE-07	Material Testing for Hydrogen Service
AE-08	Materials and technologies for other emerging energy & fluids (e.g. NH3, CO2, bio-methane, etc.)

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(2) CODES & STANDARDS (C&S)

CS-01	Structural Integrity of Pressure Components
CS-02	Hydrogen Effects on Material Behavior for Structural Integrity Assessment (Joint with M&F)
CS-04	Integrity of Reactor Pressure Vessels and Internals for Codes
CS-06	API 579/ASME Code Fitness-for-Service Activities
CS-07	Recent Developments in ASME Codes and Standards
CS-08	ASME Code Section XI Activities
CS-09	Recent Developments in Japanese Codes and Standards
CS-10	Recent Developments in Chinese Codes and Standards
CS-11	Recent Developments in European Codes and Standards
CS-12	High Temperature Codes and Standards
CS-13	Developments in HDPE, Buried and Non-metallic Pipe Codes and Standards
CS-15	Mechanical Properties of Nuclear Graphite and their Implementation in Codes and Standards
CS-16	Fatigue and Ratcheting Issues in Pressure Vessel and Piping Design
CS-17	Environmental Fatigue Issues (Joint with M&F)
CS-19	Fracture Toughness and Other Small Specimen Mechanical Properties (Joint with M&F)
CS-20	Master Curve Method and Applications
CS-21	Constraint Effects on C&S
CS-22	Repair, Replacement and Mitigation for Fitness-for-Service Rules
CS-23	Improvement of Flaw Characterization Rules for FFS
CS-24	Probabilistic and Risk-Informed Methods for Structural Integrity Assessment (Joint with M&F)
CS-25	Fatigue and Fracture Assessment & Management – A Probabilistic Perspective
CS-26	Advanced Seismic Evaluation and Code (Joint with SE-08)
CS-28	AI Symposium: Applications of AI in Codes and Standards
CS-29	C&S for Additive Manufacturing

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(3) COMPUTER TECHNOLOGY & BOLTED JOINTS (CT&BJ)

CT-01	Design and Analysis of Bolted Flange Joints
CT-02	Packings and Valves
CT-03	Leak Tightness and Fugitive Emissions
CT-04	Assembly of Bolted Joints
CT-05	Threaded Fasteners
CT-06	Elevated Temperature Behavior of Bolted Flange Joints
CT-07	Computational Applications in Fatigue, Fracture, and Damage Mechanics
CT-08	New and Emerging Methods of Analysis and Applications
CT-09	Special Application of Bolted Flanged Joints
CT-10	Lessons Learned from Bolted Flange Joint Failures
CT-11	Computational FEA for Limit Load Elastic-Plastic Analysis and Creep
CT-13	Innovative Applications of Commercial FEA Software
CT-14	New and Emerging Flange and Non-Metallic Design Codes
CT-15	Gasket and Packing Testing Panel Session
CT-16	Threaded Connections for Innovative and Light Weight Materials
CT-17	Probabilistic and Risk Based Assessment
CT-18	Hydrogen Storage, Sealing and Testing Technology (Panel Session)
CT-19	AI Symposium: AI, Data Engineering and Data Analysis
CT-20	Analytical Methods for Hydrogen Applications

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(4) DESIGN & ANALYSIS (D&A)

DA-01	Design and Analysis of Pressure Vessels, Heat Exchangers, and Components
DA-02	Design and Analysis of Piping, Pipelines, and Components
DA-03	Fatigue
DA-04	Inelastic, Nonlinear, and Limit Load Analysis
DA-05	Small Modular Reactor Design
DA-07	Thermal Stresses and Elevated Temperature Design
DA-08	Fitness for Service Evaluations
DA-09	Piping and Equipment Dynamics and Dynamic Response Analysis
DA-10	Design and Analysis of Bolted Joints
DA-11	Computational Fluid Dynamics in Design and Analysis
DA-12	Fracture
DA-15	10th International Symposium on Coke Drum Life Cycle Management
DA-16	Vessel Design Philosophy
DA-17	Composite Materials and Structures
DA-19	Special Considerations in the Design and Analysis of Supports, Restraints, and Welded Attachments
DA-20	Additive Manufactured Pressure Vessel Development
DA-21	Design and Analysis of Hydrogen Pressure Equipment
DA-22	Design and Analysis of Above Ground Liquid Storage Tanks
DA-23	AI Symposium: AI for the Design and Analysis of Pressure Vessels and Piping
DA-24	Design and Analysis of Non-metallic Piping and Components
DA-25	Design and Analysis of Cryogenic Pressure Vessels and Piping
DA-26	Design and Analysis of AI Data Center Cooling Systems

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(5) FLUID-STRUCTURE INTERACTION (FSI)

FSI-01	Thermal Hydraulic Phenomena with Vessels, Piping and Components
FSI-02	Flow-Induced Vibration
FSI-03	Structures Under Extreme Loading Conditions
FSI-04	AI Symposium: FSI Design and AI for Industry
FSI-05	Hydrogen Transport

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(6) HIGH-PRESSURE TECHNOLOGY (HPT)

HT-01	Design, Analysis and Life Prediction of High-Pressure Vessels and Equipment
HT-02	Structures under Extreme Loading Conditions (Joint with FSI)
HT-03	Fitness for Service and NDE of High-Pressure Vessels and Piping
HT-04	Design and Analysis of High-Pressure Equipment and Piping for Industry
HT-05	Additive Manufacturing and Isostatic Pressing for the High-Pressure Industry
HT-06	Design and Analysis of High-Pressure Equipment for Oil and Gas Exploration and Production
HT-07	Design and Analysis of High Pressure Hydrogen Equipment
HT-08	Artificial Intelligence for High Pressure Applications

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(7) MATERIALS AND FABRICATION (M&F)

MF-01	Application of Fracture Mechanics in Failure Assessment
MF-03	Welding Residual Stress and Distortion Simulation and Measurement and Post Weld Heat Treat Effects
MF-04	European Programs in Structural Integrity
MF-05	Fitness-For-Service and Failure Assessment
MF-06	Materials and Technologies for Nuclear Power Plants
MF-07	Code Fatigue Design Criteria and Environmental Effects (Joint with C&S, D&A, HPT)
MF-09	Mechanistic Modelling of Deformation and Fracture
MF-10	Pipeline Integrity
MF-11	Small-Scale and Miniature Mechanical Testing (Joint with C&S)
MF-12	Leak Before Break
MF-13	Composite and Non-Metallic Systems for Pressure Vessels and Piping (Joint with D&A)

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MF-14 Probabilistic Assessment of Failure (Joint with C&S)
MF-15 Fatigue and Fracture of Welds and Heat Affected Zones
MF-16 Creep and Creep-Fatigue Interaction
MF-17 Advanced and Additive Manufacturing and Material Technologies (joint with D&A)
MF-19 Asian programs in structural integrity
MF-20 Material Quality and Failure Analysis
MF-21 In-service Inspection and Monitoring (Joint with NDE)
MF-22 3D Crack Growth Simulation Using FEA
MF-23 Structural Integrity for Spent Fuel Canisters
MF-24 Materials and Fabrication for Refining
MF-25 High Strength Steels for Pressure Vessels and Piping Applications
MF-30 Cryogenic Pressure Vessels and Piping
MF-33 General Papers
MF-35 Material Surveillance for High Temperature Reactors
MF-36 Advances in High Temperature Reactor Technology
MF-37 AI Symposium: Applications of Artificial Intelligence, Machine Learning and Data Analysis in Materials and Fabrication
MF-38 Weld Repair Symposium for Energy Generation Sector

(8) OPERATIONS, APPLICATIONS & COMPONENTS (OAC)

OAC-01 AI Symposium: Safety, Reliability, and Risk Management
OAC-02 Qualification and Testing
OAC-03 Monitoring, Diagnostics and Inspection
OAC-04 Storage and Transportation of Radioactive and Other Hazardous Materials
OAC-06 Operation and Maintenance of Plant Equipment (with Weld Repair Symposium)
OAC-07 Long Term Operation and Aging Management

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(9) SEISMIC ENGINEERING

SE-01 Earthquake Resistance and Seismic Margin
SE-02 Seismic Isolation
SE-03 Damping and Vibration Control
SE-04 AI Symposium: Machine Learning and Advanced Computation for Seismic Analysis of Industrial Facilities
SE-05 Structural Dynamics
SE-06 Seismic and Ratcheting Deformation of Metallic Materials and Piping
SE-07 Seismic Evaluation of Systems, Structures and Components
SE-08 Advanced Seismic Evaluation and Codes (Joint with C&S)

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(10) NON-DESTRUCTIVE EVALUATION

NDE-01 Emerging NDE and Prognostic Techniques and Applications
NDE-02 NDE Techniques and Applications for Petrochemical and Power Plant Components
NDE-03 AI Symposium: NDE Reliability Using Artificial Intelligence, Modeling & Simulation, and Experimental Analysis
NDE-04 Structural Health Monitoring of Complex Materials and Structures
NDE-05 Risk Assessment of Aging Structures

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GUIDELINES FOR AUTHORS:

The Program Committee will observe the following criteria in selecting papers for the Conference:

1. The paper must not have had prior extensive publication or circulation. Publication in trade periodicals or other professional or technical journals is considered extensive publication.
2. The paper must be technically correct and should be of interest to a reasonable number of people working in the field of pressure vessels and piping. It may be theoretical, or may present the results of laboratory studies, and it may state or analyze a problem. The paper may also be a review-type paper but must be of significant value to the technical field. The paper should contain new knowledge or experience in some field related to pressure vessels and piping.
3. The paper may present information about equipment, tools, and software used in PVP technology. Such papers must show the definite applications and limitations of such equipment, tools, or software, and must avoid any commercialism.
4. The abstract must have the necessary clearance before submittal. Prospective authors should provide information on any clearance problems when the abstract is submitted.
5. Both theoretical papers in various fields, and application papers presenting solutions to problems, are desired. Program time is limited, so the Program Committee will emphasize the quality of the contribution and its value in the field of PVP Technology.
6. The Program Committee has a stated policy against the use of commercial trade names, company names, or language that is commercial in tone in paper titles, figures, and slides, and these must be avoided. Trade names can only be identified once in a paper to explain details for processes or methods, allowing other researchers to reproduce the results. Beyond this exception, the presence of commercialism in the text of papers is cause for removal of the paper from the program.
7. In accordance with U.S. Copyright Laws, ASME must receive, and maintain on file, a copy of the Transfer of Copyright Form with the final paper, signed by all authors, for papers to be presented at the Conference, and published in Conference Volumes.
8. The final day for abstract submittals is **October 19, 2026**
9. Authors offering papers for the program should fully understand that a manuscript prepared to ASME specifications is required for each technical paper selected for the Conference. The manuscript will be published in an electronic format. Printed Conference Volumes may be available after the Conference. The maximum length for any paper is 10 pages, fully formatted.
10. The last day to submit Draft Papers to the Webtool for Review is **January 25, 2027**.
11. Final Papers are due no later than **April 26, 2027**. Once a final paper is submitted, no subsequent revisions will be accepted.
12. Instructions on preparation of manuscripts and presentation materials are available at: https://pvp.secure-platform.com/a/page/help/author_resources/information_and_templates.

GUIDELINES FOR TECHNICAL PROGRAM REPRESENTATIVES (TPRs, TRACK ORGANIZERS)

1. Remind Topic Organizers and Session Developers of the due date for abstract submittal: **October 19, 2026**
2. Ensure that authors of paper abstracts are notified of acceptance/rejection by **November 16, 2026**.
3. Check the wording of the title for each paper in your track.
4. Follow the key dates:
   - Draft Papers are due to the webtool for review by **January 25, 2027**.
   - Peer review comments returned by **March 8, 2027**.
   - Copyright Agreement Forms are due by **April 22, 2027**.
   - Final Papers are due no later than **April 26, 2027**.
5. Ensure that Topic Organizers and Session Developers have assigned Session Chairs and Vice Chairs.
6. Communicate with Topic Organizers and Session Developers on a regular basis.

GUIDELINES FOR TOPIC ORGANIZERS (TOs) AND SESSION CHAIRS

1. Assign Session Chairs and Vice Chairs to your Sessions, once they are created, ***as soon as possible***.
2. Assign abstracts/papers to a Session. The final day for abstract submittals is **October 19, 2026**
3. Notify the authors of acceptance/rejection by **November 16, 2026**.
4. Communicate with the authors on a regular basis. The last day to submit Draft Papers is **January 25, 2027**.
5. Assign a **minimum** of two (2) Reviewers for each paper.
6. Communicate with the Reviewers on a regular basis.
7. Monitor activities related to:
8. Paper reviews — **Two (2) independent Reviewers for each paper. No one can be the reviewer for all the papers in their Topics(s) or Session(s)**.
9. The Copyright Agreement Form submittals are due no later than **April 22, 2027.**
10. Final manuscript submittals are due no later than **April 26, 2027.**
11. Follow the key dates.
12. Consolidate Sessions when necessary. Ideally, a Session should have four (4) papers. Avoid having Sessions with less than three (3) or more than five (5) papers.

Plan ahead for the ASME PVP 2028 CONFERENCE

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