



Since ISOPE-1992, the annual ISOPE conference has been the world's largest technical conference of its kind with **peer-reviewed** papers. Proceedings are **indexed by Thomson Scientific and Technical Proceedings (ISTP), Web of Science, Google Scholar, Engineering Index, EI Compendex, Scopus, Chemical Abstracts and more.** Following the **all-time record-breaking attendance at ISOPE-2007 Lisbon, the conference has continued to set new records, receiving 1,700+ abstracts for ISOPE-2015 Hawaii.** The conference is being organized by the Technical Program Committee (TPC) of the **International Society of Offshore and Polar Engineers (ISOPE)** with 30+ cooperating organizations. Its objective is to provide a timely international forum for researchers and engineers.



Final Call For Papers

Update at
www.isopec.org

Online submission <http://www.isopec.org/call4papers/2018/HowToSubmitAbstractOnline.htm>

DEADLINES	Abstract Submission	November 10, 2017
	Manuscript for Review	January 15, 2018
	Final Manuscript due	March 24, 2018

Prospective authors are invited to **submit an abstract** in 300-400 words to: (1) **Online abstract submission or email meetings@isopec.org**; (2) **One of TPC members** (session organizers, see backside); or (3) **ISOPE-2018 TPC, 495 North Whisman Road, Suite 300, Mountain View, California 94043-5711, USA** (Phone 1-650-254-1871; Fax 1-650-254-2308), observing the above key dates. Abstract should emphasize the significance of the results and/or the originality. Abstract **must include** the paper title, all authors' and co-authors' names, affiliations, full addresses, and telephone and fax numbers and E-mail address of the corresponding author.

Some 140+ technical and industry sessions with participation from some 50+ countries will emphasize tentative topics:

OFFSHORE TECHNOLOGY & OCEAN ENGINEERING, AI

Deeper Water, Floatover-install, Decommission
Subsea Umbilicals & Flexible Pipe
Structural Health Monitoring (SHM)
Artificial Intelligence (AI), VR Simulation
FPSO, SPAR, TLP, VLFS, Compliant Struct
LNG, FSRU, FLNG, LNG Bunker & Storage
DP System, Mooring, Hybrid
CFD, Hydroelasticity, Asset Integrity

ISO, Code and Standards

12th Deep-Ocean Mining, Gas Hydrates (OMGH/OMS-2018) Symposium
IOR and Reservoir

RENEWABLE Energy & Environ Symp.

Offshore Wind Energy, Wind Turbines
Ocean Energy: Waves, Tidal, Current, OTEC
Energy Storage, Transmission
Aero-, Hydro-, Geo Mechanics: Simulation
Test, Control Simulation, Design Optimization,

ENVIRONMENT

Remote Sensing, Environmental Modeling & Impact, Carbon Capture CCS, Oil Spill

GEOTECHNICAL ENGINEERING

Computational Geomechanics, Modeling
Soil Properties Slope Stability, Geohazards
Foundations/Testing & Instrumentation
Pile-Soil Interaction, Suction Piles
Scour/Earthquake/Arctic Geo-Rock Mechanics

OFFSHORE MECHANICS

HYDRODYNAMICS & CFD

CFD and NWT, and Hydroelasticity
Waves; Loads, internal & external
Wave-Structure Interaction Dynamics
METOCEAN, Tsunami, Rogue waves
Vortex Shedding & VIV (FIV) Suppression
SLOSHING & DESIGN Symposium
Tsunami & Safety Symposium

COASTAL ENGINEERING & CFD

CFD, MPS, Tsunami, Typhoon, Storm Surge
Hydrodynamics, Waves, Internal Waves
Structures, Breakwaters, Port & Harbor
Morphodynamics, Sediment Transport, Erosion

CFD & Computational Mechanics Artificial Intelligence

SUBSEA, PIPELINES, RISERS, AI

Deepwater & Arctic Pipeline, Subsea & Installation,
Deepwater Riser & Design, Flow Assurance,
Integrity Management, Pipe Soil interactions,
Knowledge Transfer, New Materials, Buckling
Flexible Pipe, Umbilicals, Power Cable
Vortex Shedding & VIV Suppression

SAFETY & RELIABILITY, MECHANICS

Risk, Safety and Reliability
Collision, Impact, Damages,
Structural Health Monitoring,
Structural Mechanics, Ultimate Strength
Computational Mechanics

ARCTIC SCIENCE & TECH Symposium

Arctic Resources, Infrastructure, Logistics
Arctic Shipping, Pipelines
Arctic Structures, Design, Icing, Permafrost
Ice Mechanics, Loads, Modeling, Forecasting
Remote Sensing, Polar Meteorology, Pack Ice
Full-scale Testing, Arctic Environ,

HIGH-PERFORMANCE MATERIALS

Cryogenic Materials Symposium
Arctic Materials Symposium
Strain-Based Design Symposium
Asset Integrity Symposium
Nanomaterials Symposium
Environment Assisted Cracking (EAC) Symp
High Strength Materials
Welding Technology
Steel and Metal Alloy Development
Composites, Smart Structures
Fatigue, Fracture, Functional Coating
Structural Integrity, Tubular Structures

ADVANCED SHIP TECHNOLOGY

Green Ship; Digital Shipbldg, Naval Systems,
Ship Hydrodynamics and Optimization
Ship Resistance, Powering, Cavitation
DP Control and Navigation

UNDERWATER TECHNOLOGY

Deep-Ocean AUV, ROV, Gliders, Smart Vehicle
Robotics & Control, Aquabiomechanism
Sensing, Imaging, Navigation, Communication
Design, Development, At-sea Test

PAPER REVIEW AND PUBLICATIONS: All papers will be rigorously reviewed prior to acceptance. The accepted papers will be included in the Conference proceedings, which will be available at the Conference and for worldwide distribution; digital files on www.onepetro.org. Papers of archival value will be further considered for publication in *International Journal of Offshore and Polar Engineering* (ISSN 1053-5381)—www.isopec.org.

Special ISOPE group room rate at **5-star hotel starts from \$80+ and up**. Should **book rooms from January**. Tours are arranged.

Send abstracts in 300-400 words to (1) ISOPE TPC Online (www.isopec.org) or (2) any of the members in the ISOPE Technical Program Committee (TPC) in the partial list below: **Abstract Deadline: November 10, 2017**

Dear Colleagues,

On behalf of ISOPE-2018 TPC, we would like to invite your abstract for possible presentation at the 28th International Ocean and Polar (Arctic) Engineering Conference, Sapporo, Japan, June 10–15, 2018. In addition to strong sessions on the existing popular ISOPE topics, next year we continue to promote **additional specialty symposia on emerging topics** as listed on the front side.

Please join us in Sapporo, and enjoy technical sessions in a relaxed environment.

ISOPE-2018 Sapporo Conference Technical Program Committee (TPC) and Japan Local Committee

AUSTRALIA: Dr. A Nezamian (Aurecon); Prof. D-S Jeng (Griffith U); Dr. M S Hossain (U Western Australia); Prof. CW Lei (U of Sydney); **BRAZIL:** Mr. S Damasceno (Petrobras); Prof. GFM Souza (U Sao Paulo); **CANADA:** Dr. B J Buckham (U Victoria); Dr. S Etienne (Ecole Polytech de Montreal); Mr. D Fissel, Mr. E Ross (ASL Environ); Dr. E Martin (AKAC Inc); Dr. M Sayed, Ms Ivana Kubat (NRC Canada, Ottawa); Dr. S. Islam (NRC Canada, St John's); Dr. A Parsa (Rutter Inc); Prof. W Qiu (Memorial U Nfld); Prof. J Q Shang (U Western Ontario); Dr. Rocky Taylor (C-CORE); **CHINA:** Mr. W Dong, Mr. LS Song, Dr. XZ Wang (COSL); Prof. B Teng (Dalian U of Tech); Prof. FP Gao (Inst of Mechanics, CAS); Prof. GJ Chen (China U Petroleum); Dr. G He (Harbin Inst Tech); Prof. TQ Li, Dr. L Zhu (Wuhan U Tech); Prof. H Liu, D C Wan, BL Wang, Dr. DF Liang (Shanghai Jiao Tong U), Dr. Z Lu (China Geological Survey); Dr. A M Wang (COOEC); Prof. S Wang (CAS); Prof. G Xu (Huazhong U Sci Tech); Prof. JH Zheng, YQ Qi (Hohai U); **CYPRUS:** Dr. C Michailides (Cyprus U of Tech); **DENMARK:** Dr. T Ugelvig Petersen (DHI); Prof. J D Sorensen (Aalborg U and DTU Wind); **FINLAND:** Prof. K R W Wallin (VTT); **FRANCE:** Mr. L Brosset (GTT); Dr. L Diebold (Bureau Veritas); Dr. N Loukochenko (Arcelor Mittal);

GERMANY: Dr. F Adam (Universität Rostock); Prof. A Baeten (Augsburg U Appl Sci); Dr. S Herion (Karlsruhe Inst Tech); Dr. Y P Hong (HSVA); Dr. S Lochte-Holtgreven (City U of Appl Sci); Dr. D Matha (Rambøll Wind); Dr. G Schriever (Biobal Forschungsinstitut); Mr. W Popko (Fraunhofer IWES); Dr. F Vorpahl (Servion SE); **GREECE:** Profs. D C Angelides, T Karambas, Dr. E Loukogeorgaki, (Aristotle U Thessaloniki); Prof. G Triantafyllou, E E Theotokoglou, Dr. K Belibasakis (Nat'l Tech U Athens); Prof. A Dimas (U of Patras); Dr. T Soukissian (HCMR); **HONG KONG:** Prof. C-O Ng (U Hong Kong); **INDIA:** Dr. M A Atmanand (Nat'l Inst Ocean Tech); Dr. V Sriram (IIT Madras); **IRAN:** Dr. K Fakharian (Amirkabir U Tech); **IRELAND:** Prof. F Dias (U College Dublin); **ITALY:** Prof. G Conte (UNIVOM); Dr. M Felli (INSEAN); Mr. F Lalli (ISPRA); Dr. M La Rocca (U Roma); Dr. A Fonzo (C.S.M.); Dr. M Martelli (U of Genova); Dr. L Martinelli (U of Padova); Prof. P Ruol (U Padova); Prof. R Archetti (U Bologna); Prof. D Vicinanza (Second U Naples); Dr. P Prestinanzi (U Roma Tre).

JAPAN: Prof. S Aihara, T Kawabata (U Tokyo); Profs. M Kashiwagi, T Matsui, N Osawa, H Suzuki, T Yao, Drs. S Araki, M Minoura (Osaka U); Dr. M Arima (Osaka Pref. U); Prof. S Yamaguchi, H Kajiwara (Kyushu U); Dr. K Hase, T Handa, N Ishikawa, S Igi (JFE Steel); Dr. H Hashimoto (Kobe U); Profs. T Hiraishi, Dr. A Khayyer (Kyoto U), Dr. H Kawai, K Hirayama (PARI); Mr. K Honda (NILIM); Dr. N Inuiki (Nagaoka U of Tech); Dr. S Ishibashi (JAMSTEC); Prof. K Kawasaki (Hydro-soft Tech Inst); Dr. S-Y Kim (Tottori U); Dr. H Kitagawa (Ocean Policy Res. Inst.); Prof. N Ebuchi, N Otsuka (Hokkaido U); Dr. T Komai (Tohoku U), Prof. W Koterayama, M Nakamura (RIAM, Kyushu U); Dr. T Nakamura (Nagoya U); Prof. H Murakawa (JWRI, Osaka U); Prof. S Nagata (Saga U, IOES); Prof. Y Nishi (Yokohama Nat U); Dr. H Kitagawa, Dr. K Tanizawa, T Kuroda, C Ma (NMRI); Dr. N Tenma, J Nagao (AIST); Dr. T Hara, Y. Shinohara (NipponSteel-Sumitomo Metal); Prof. A Usui (Kochi U); Profs. Y Yamamoto, N Sakagami (Tokai U); Dr. H Kawai (PARI) **KOREA:** Dr. J-H Cha (Mokpo Nat'l U); Prof. J Choe (Seoul Nat'l U); Prof. Y W Choo (Kongju Nat'l U); Prof. C K Chung (Seoul Nat'l U); Prof. Y Kim, Dr. B S Jang, YS Lim (Seoul Nat'l U); Dr. KB Kang (Yonsei U); Drs. S-W Hong, SY Hong, S H Van, H-G Sung, H J Kim, S K Cho, B W Nam, K H Kim (KRISO); Dr. Y Kim (Inha U); Dr. O S Kwon (KIOST); Prof. G Zi (Korea Univ); Dr. R Ayer (SK Innovation); Prof. SS Kim (Sungkyunkwan U); Profs. H-I Park, BS Hyun, Dr. C Huh (Korea Maritime & Ocean U); **MALAYSIA:** Prof. V J Kurian (U Teknologi Petronas); **MEXICO:** Dr. V Rosales Sierra (IMP).

NEW ZEALAND: **NETHERLANDS:** Prof. A M Gresnigt (TU Delft); Dr. P Meijer (Deltares); Dr. P Liu (INTECSEA BV); Dr. S Schreier (TU Delft); **NORWAY:** Dr. O M Akselsen (SINTEF); Profs. H Krogstad, M Muskulus, Dr. G Eiksund (NTNU); Dr. A D Jenkins (Uni Computing); Dr. J Jia (Aker Solutions); Prof. D Karunakaran (Subsea7; U Stavanger); Prof. I Langen, R M C Ratnayake (U Stavanger); Dr. N A Marchenko (Univ Centre in Svalbard (UNIS)); Dr. E Øtsby (DNV GL); Mr. G Paulsen (Reinertsen); Dr. L Oosterkamp (Statoil); Dr. N Ye (MARINTEK); **POLAND:** Dr. T Abramowski (InterOceanMetal); **PORTUGAL:** Prof. AJNA Sarmiento (Lisbon Tech U-IST); **RUSSIA:** Prof. A Bekker (Far Eastern Federal U); Prof. A S Bolshev (Saint Petersburg State Polytech U); Dr. I Buzin (AARI); Dr. V Pavlenko (Russian Academy of Sci); **SINGAPORE:** Dr. H Gu (ABS, Singapore); Prof. CF Leung (Nat'l U Singapore); **SPAIN:** Ms. M F Lecca (Alstom Wind); **SRI LANKA:** Dr. DPC Laknath (Lanka Hydraulic Inst); **TAIWAN:** Prof. R-Y Yang (Nat'l Cheng Kung U); Prof. C-P Tsai (Nat'l Chung Hsing Univ); Prof. L-K Chien, W-P Huang (Nat'l Taiwan Ocean U); **THAILAND:** Prof. S Chucheepsakul, Dr. N Charusrojthanadech (King Mongkut's U Tech); **TURKEY:** Prof. O Kirca, O Yagci (Istanbul U Tech); **UNITED KINGDOM:** Dr. S D Abyaneh (TechnipFMC); Prof. A Antonini (Plymouth U); (Prof. L F Boswell (City, U of London); Dr. A Kolios (Cranfield U); Dr. Yongwon Lee (Lloyd's Register); Dr. Q Liang (Newcastle U); Dr. F K Lim (2H Offshore); Dr. H Polezhayeva; Dr. L Qian (Manchester Metropolitan U); Dr. SD Shao (U of Sheffield); Dr. Y Shen (Rosen Group); Prof. QW Ma, Dr. S Yan (City, U of London); Dr. G E Varelis (PDL Solutions); Mr. S Maleki (TWI); Dr. J Zang (U Bath).

USA: Dr. H Arslan (ExxonMobil Production Co); Drs. H W Jin, N Ma, H J Jun (ExxonMobil Res & Eng.); Prof. S Bang (S Dakota School Mines); Dr. C R Bostater (Florida Inst Tech); Dr. YS Cao (C-Z Marine Tech); Dr. C-Y Chen, B-F Peng (Oil Field Dev Eng); Mr. YJ Chen (DMAR Eng); Prof. J Niedzwecki, H-C Chen, M H Kim, Drs. J Figlus, Y-K Song (Texas A & M U); Prof. J S Chung (ISOPE); Dr. N Gazis (Wood Group); Dr. A Goupee (U Maine); Dr. A S Duggal, A H Izadparast (SOFEC); Dr. W C Kan, E J Wright, C Haarseth, J Jin, H B Wang, H H Wang, A Bahrami (ExxonMobil Production Co.); Prof. S T Grilli (U Rhode Island); Dr. J K Na (EWI); Dr. J Jonkman, Mr. F Wendt (NREL); Mr. A Kilmer (AMOG Consult); Mr. L Kozisek (State of Alaska/SPCO); Dr. P Jukes (The Jukes Group); Dr. D Matskevitch, Neeraj S Thirumalai (ExxonMobil Upstream Res); Prof. R H Knapp (U Hawaii); Dr. S H Lee (Glosten Assoc.); Mr. W H Lee (DNV-GL); Dr. A Majed (IntecSea); Dr. T Makogon (Houston); Dr. G Marani (West Virginia U); Dr. T Mathai (Glosten Assoc.); Prof. T Tsakalacos (Rutgers U); Mr. Ali Reza (Exponent); Mr. P Sharma (DNV-GL); Dr. A Sheremet (U Florida); Prof. T-C Joe Su (Florida Atlantic U); Mr. Ko-Min Tjok (Fugro Geoconsult); Dr. Panico (ExxonMobil Upstream Research); Prof. M Triantafyllou, N M Patrikalakis, T P Sapsis (MIT, Mechanical/Ocean Eng); Prof. T Tsakalacos (Rutgers U); Dr. J Wang (COTEC); Prof. H G Wheat (U Texas at Austin); Mr. M Wu (DMAR); Dr. T Xing (U Idaho); Prof. C Yang (George Mason U); Dr. X Yu (U New Orleans).

Sponsor: ISOPE. Cooperating Organizations and Societies: USA - ASCE, Canada - CSCE, CAPP, China - CSOE, CSNAME, CSTAM, Germany - DKMM, GMT, EIT (Thailand), IAHR, IEA-OES, E Australia, INAE (India); IRO (The Netherlands), Japan - JASNAOE, JSMS; Korea - KSCE; KSOE, KAOST, NPF (Norway), U.K. - OES, SPRI, PII (Indonesia), RAS (Russia), (U.K.), SOBENA (Brazil), SSSS (Singapore), TCG (Greece), TOC (Turkey), TSOE, USME (Ukraine), VTT (Finland)

ISOPE TPC, P.O. Box 189
Cupertino, CA 95015-0189, USA

For more information and conference and symposium programs and proceedings on:

<http://www.isopec.org/conferences/conferences.htm>, <http://www.isopec.org/conferences/conferences.htm>