PACOMS 1990-2018

ISOPE Pacific-Asia
Offshore Mechanics Symposium
on Ocean, Arctic, Energy

Jin S Chung

ISOPE, Cupertino, California, USA

at

ISOPE PACOMS-2018, Jeju, Korea

Purposes of PACOMS Symposium

- Promote technological progress and activities, international technological transfer and cooperation among the Pacific/Asian/Oceania countries;

- Provide a timely international forum for networking among researchers and engineers. We encourage you would exchange friendship.

- All papers peer-reviewed.

PACOMS-90 Seoul is the First PACOMS Symposium

- Most of the Asia's major Energy and Heavy Industries and Academia participated in this first symposium:

- Australia, India, Thailand, Malaysia, Singapore, Russia, China, Korea, Japan, Canada, Norway, UK and USA

PACOMS'90

The First(1990)

PACIFIC/ASIA OFFSHORE MECHANICS SYMPOSIUM & EXHIBITION

Seoul, Korea, 24-28 June, 1990

HOTEL LOTTE

第1次
環太平洋 / 亞細亞
海洋工學 國際 學術大會 및 展示會

PRELIMINARY PROGRAM

海洋技術　　海底石油技術
船舶技術　　亞細亞海底石油
材料熔接　　南極開發
海洋建設　　波力發電
(18個國 : 總論文數 200)

場所 : 서울 호텔롯데

主催 : 社團法人 韓國海洋工學會 (KCORE)
國際海洋極地工學會 (ISOPE)

인 삿 말

地球表面의 70％를 占有하고 있는 바다는 그 重要性이 漸增하여 各國은 200海里 經濟水域을 設定하고, 여러 分野의 技術開發을 學術交流와 情報交換을 통하여 국제무대에서 相互 活潑히 進行하고 있습니다. 한국에서는 造船, 港灣工事, 石油生産 플랫폼, 試錐船의 製作, 深海底資源探査, 南極基地 建設등 빠른 産業 發展에 이어 技術開發에 拍車를 더하고 있습니다.

政府, 學界, 研究所, 企業體가 協同으로 新技術 開發에 努力하며 機械, 土木, 造船, 資源, 物理, 海洋學, 熔接, 材料, 電子, 電算, 制御, 地質, 金屬工學 등 基礎 知識을 綜合 吸收하고 産業界 海洋 시스템을 쉽게 消化하여 綜合的인 技術蓄積이 體系的으로 이루어져야 하겠습니다.

韓國海洋工學會는 國際的인 協助와 國際海洋·極地工學會와의 相互協力體制를 活性化하기 위하여 第1次 一環太平洋／亞細亞 海洋工學 國際 심포지엄(1st Pacific/Asia Offshore Mechanics Symposium-1990)및 展示會를 서울에서 開催하여 Australia, Canada, China, India, Indonesia, Japan, Jordan, Korea, Malaysia, New Zealand, Norway, Saudi Arabia, Singapore, Thailand, United Kingdom, USA, USSR, West Germany 등 18個國에서 300餘名의 著名한 學者, 技術者, 關聯企業體長들이 모여 大陸棚開發, 海底石油鑛物資源, 波力發電, 潮力發電, 海洋建設, 材料開發, 船舶技術, 海洋空間利用, 海洋牧場建設, 南極基地建設 등에 對하여 深度 높은 學術研究와 技術交換을 하게 되었습니다.

環太平洋-亞細亞의 協力의 一環으로 第1次會議가 世界的 規模의 프로그램(200餘編 論文)으로 여러분을 모시게 되었으므로 繼續的인 聲援과 參席으로 盛況을 이루어 주시기 바라 마지 않습니다.

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The Korea Science and Engineering Foundation (韓國科學財團)
The Ministry of Trade and Industry (商工部)
The Ministry of Energy-Resources (動力資源部)

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Association of Korean Fisheris and Marine Sciences (韓國水產海洋科學協會)
The Korean Insitute of Metals (大韓金屬學會)

• SPECIAL PAPERS & LECTURES 〔initial list〕 :

Dr. R.M. Shakirov, USSR
Construction of Transmisslion and Field Pipelines in Severe Environments in the USSR
Mr. Y. Masuda, Ryokuseisha Corp., Japan
Progress in Wave Power Generation in Japan
Prof. Jin S. Chung, Colorado School of Mines, USA
Offshore Technology: Globalization
Dr. M.J. Morgan, Industrial Systems, Inc., USA
Recent Dynamic Positioning and Control Systems
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Recent Advances in Breaking Waves
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Random Wave Forces
Prof. M. Ohkusu, Kyushu University, Japan
Effect of Forward Speed and Wave Interaction on Hydrodynamics Forces on Marine Structures
Prof. Y. Ueda, Welding Research Institute, Osaka University, Japan
Modern Method of Ultimate Strength Analysis of Offshore Structrues
Prof. T.Y. Chen, Shanghai Jiao Tong University, China
Recent Progresses in Stress Analysis of Tubular Structures in China

• ORGANIZING COMMITTEE (1990)

Dr. A. Abel, University of Sydney, Sydney, Australia
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- Prof. Kun Mo Han, Dong-A Univ, Korea
- Dr. Reena Ramachandran, ONGC, India

PACOMS-90 Seoul: Lotte Hotel

List of Participants Includes:

- India: ONGC: Chairman Col. S Wahi
- Russia: Russian Academy of Sciences: Dr. Volgin, VP ;
  Universities; Prof. Khrapaty; Prof. Simakov
- Thailand: PTT EP, VP and KMUTT (Prof. Chucheepsakul)
- Malaysia: Petronas, VP
- Korea: National Oil Co (PEDCO): Chairman, Mr. Choi, S.;
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- Canada: Univ of British Columbia – Prof. Michael Isaacson
- USA: National Science Foundation - Dr. Inderbitzen, Program Director; Prof. Jin S Chung, Colorado School of Mines.

From Right: Reception Host Mayor of Seoul, ONGC (India) Chairman

Minister of Science & Technology at Opening Session

Opening Session

Korea Petroleum Development Co. Reception

PACOMS-90 Banquet at Hotel Lotte

PACPMS-90, Russian Deleates. From left:
Prof. Khrapaty (FESTU), [Prof. Chung (ISOPE)], Prof. Simakov (Dean, Leningrad STU), Dr. Volgin (V.P., RAS), Dr. Bekker (FESTU, Vladivostok),

Networking

- Networking opportunity for technologies among the Asia Pacific countries. The transfer is taking place in various forms.

- Research networking and collaboration among universities and research institutes.

- Participation of the industries and academia in the developments of ocean, Arctic and renewable energy resources.

ISOPE **PACOMS-90 ~ 2020**

- PACOMS-90 Seoul
- PACOMS-92 San Francisco
- PACOMS-94 Beijing
- PACOMS-96 Pusan
- PACOMS-98, 2000 Jakarta: Postponed due to the Asian financial crisis
- PACOMS-2002 Daejeon, Korea: Restarted.
- PACOMS-2004 Vladivostok
- PACOMS-2006 Dalian

ISOPE **PACOMS-90 ~ 2020** and …

- PACOMS-2008 Bangkok
- PACOMS-2010 Busan
- PACOMS-2012 Vladivostok
- PACOMS-2014 Shanghai
- PACOMS-2016 Gold Coast
- PACOMS-2018 Jeju
- PACOMS-2020 Dalian, China

PACOMS-2022, PACOMS-2024, … TBA