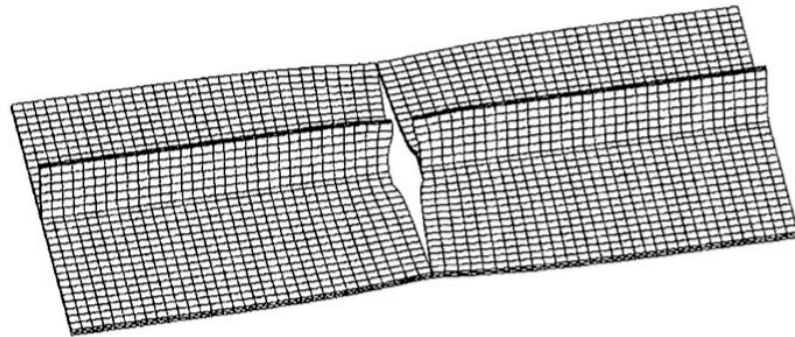




**Professor Jeom Kee Paik**



**Fig. 5** Deformed shape immediately before the entire fracture of the stiffened panel under monotonic tensile loads, as obtained by LS-DYNA3D

From: Jeom Kee Paik and Y. V. Satish Kumar, "Ultimate strength of stiffened panels with cracking damage under axial compression or tension", *Journal of Ship Research*, Vol. 50, No. 3, pp 231-238, September 2006

See:  
<http://facultyrow.com/profile/JeomKeePaik>  
<http://www.icces.org/icces11/images/jkpaik.pdf>  
<http://www.academicpub.org/asoc/file/J.K.Paik.pdf>  
[https://www.ulg.ac.be/cms/c\\_1742703/en/jeom-kee-paik](https://www.ulg.ac.be/cms/c_1742703/en/jeom-kee-paik)  
<http://www.eng.nus.edu.sg/core/LRET2010/20100217%20S2%20Hydrodynamics/S2P4%20LRET%20CoE%20at%20PNU-Hydrodynamics.pdf>

Director, Lloyd's Register Educational Trust (LRET) Centre of Excellence  
Ship and Offshore Structural Mechanics  
Pusan National University, Buson, South Korea

**Also:**  
[https://www.ucl.ac.uk/mecheng/mecheng-news-publications/paik\\_ucl](https://www.ucl.ac.uk/mecheng/mecheng-news-publications/paik_ucl)  
Mechanical Engineering, UCL (London's Global University; What does "UCL" stand for?)

In a blog written 4 February 2015 the anonymous blogger writes:  
"Professor Jeom Kee Paik, whose research interests are safety studies and design of ships and offshore structures associated with extreme and accidental conditions, will work within the department's renown Naval Architecture and Marine Engineering (NAME) section. Professor Paik will divide his time between UCL and Pusan National University in his native Republic of Korea and foster a range of research collaborations between the two universities. He is currently in charge of a Korean state-funded project with the budget of some US \$100M to build marine test infrastructures."

**Paik Prize:**  
In a very special honor for a living figure, The Royal Institution of Naval Architects (RINA) recently announced that a new award has been named for Professor Paik, himself a five-time winner of their Best Paper award. The Jeom Kee Paik Prize, which will be awarded each year for the best paper on structures published by a researcher under 30, is the first such prize to be named for a non-Briton in the 155-year-history of RINA.

**Biography:**

Dr J.K. Paik is Professor of Ship and Offshore Structural Mechanics in Pusan National University (PNU), Korea. He was born in Sacheon City, Gyungnam Province, Korea, in 7 January 1957. He received his Bachelor Degree of Engineering (1981) from PNU, and his Master Degree of Engineering (1984) and Doctor of Engineering (1987) from Osaka University, Japan. He has been Visiting Professor in Technical University of Denmark (1993-1994), Virginia Polytechnic and State University, USA (1999-2000), and University of Newcastle, Australia (2006).

He is Director of the Lloyd's Register Educational Trust (LRET) Research Centre of Excellence at PNU, with the focus on Nonlinear Structural Mechanics in association with Limit States and Risk-based Approaches. He has some 25 years experience of teaching and research in the area, and he has authored over 500 technical papers and several books and book chapters. His book publications include "Condition Assessment of Aged Structures" (CRC Press, USA, 2008), "Ship-Shaped Offshore Installations: Design, Building, and Operation" (Cambridge University Press, UK, 2007), and "Ultimate Limit State Design of Steel-Plated Structures" (John Wiley & Sons, UK, 2003). He is now in the middle of writing a new book titled "Computer Based Ship Structural Design – Theory and Practice" (The Society of Naval Architects and Marine Engineers, USA), coauthored by Prof. Owen Hughes, Virginia Tech, USA. His book chapters include Chapter 8 Ship Structures in the book titled "Modeling Complex Engineering Structures" (The American Society of Civil Engineers, USA, 2007), edited by R.E. Melchers and R. Hough, and Chapter 39 Reliability Assessment of Ships in the book titled "Engineering Design Reliability Handbook" (CRC Press, USA, 2005), edited by E. Nikolaidis, D.M. Ghiocel and S. Singhal.

Prof. Paik is the recipient of numerous awards and honors including the Medal of Exceptional Merit (The Royal Institution of Naval Architects, UK, 2008), the Engineering Prize (The Society of Naval Architects of Korea, 2008), the RINA best paper awards (The Royal Institution of Naval Architects, UK, 1995 & 2000), the SNAME best paper awards (The Society of Naval Architects and Marine Engineers, USA, 2000 & 2004), the IME best paper award (The Institution of Mechanical Engineers, UK, 2003), the Engineering Prize (Pusan Metropolitan City Government and Kukje Newspaper, Korea, 2000), and the SNAK best paper award (The Society of Naval Architects of Korea, 1995).

Prof. Paik has been very active in the activities of international academic societies. He is Fellow of the Royal Institution of Naval Architects (UK) and Member of the Society of Naval Architects and Marine Engineers (USA). He has been the Council Member and Publication Committee Member of the Royal Institution of Naval Architects (UK), and Chairman of the RINA Korean Branch. He has also been a Member of Technical and Research Steering Committee of the Society of Naval Architects and Marine Engineers, USA. Prof. Paik has significantly contributed to the activities of International Ship and Offshore Structures Congress (ISSC) for the last 12 years. Prof. Paik has been chairing ISSC Committees on Ultimate Strength (2006-present), Condition Assessment of Aged Ships (2003-2006), and Ship Collisions and Grounding (2000-2003). Prof. Paik was re-elected as Chairman of ISSC Committee III.1 Ultimate Strength until the Congress of ISSC 2012, Germany. Prof. Paik has devoted to the activities of International Academic Journal Editorship. He is Editor-in-Chief of two internationally recognized journals, namely Ships and Offshore Structures (Taylor & Francis, UK) and Structural Longevity (Tech Science Press, USA). He is also Associate Editor or Editorial Board member of 10 other international journals, which include Ocean Engineering (Elsevier, UK), International Journal of Impact Engineering (Elsevier, UK), Thin-Walled Structures (Elsevier, UK), Journal of Marine Science and Technology (Springer, Germany), International Journal of Maritime Engineering (The Royal Institution of Naval Architects, UK), Computer Modeling of Engineering and Sciences (Tech Science Press, USA), Marine Technology (SNAME, USA), Journal of Engineering for the Marine Environment (Institution of Mechanical Engineers, UK), International Journal of Naval Architecture and Ocean Engineering (The Society of Naval Architects of Korea), and Journal of Ship Mechanics (The Chinese Society of Naval Architects and Marine Engineers, China).

Prof. Paik has been Keynote Speaker and/or Chairman or Member of International Scientific Committees for numerous international conferences, which include 4th Int. Conf. on Thin-Walled Structures (England, UK, 2004), 25th Int. Conf. on Offshore Mechanics and Arctic Engineering (Hamburg, Germany, 2006), Int. Conf. on Ship and Offshore Technology (Busan, Korea, 2006), 6th Int. Conf. on High Performance Marine Vehicles (Tasmania, Australia, 2006), Int. Conf. of Advancements in Marine Structures (Glasgow, UK, 2007), 26th Int. Conf. on Offshore Mechanics and Arctic Engineering (San Diego, USA, 2007), The Professor Jim Rhodes Retiral Conference on Thin-Walled Structures (Glasgow, UK, 2007), 5th Int. Conf. on Thin-Walled Structures (Brisbane, Australia, 2008), 4th Int. ASRANet Colloquium (Athens, Greece, 2008), 28th Int. Conf. on Ocean, Offshore and Arctic Engineering (Hawaii, USA, 2009), 2nd Int. Conf. on Marine Structures (Lisbon, Portugal, 2009), Int. Conf. on Computational & Experimental Engineering and Sciences (Phuket, Thailand, 2009), Int. Conf. on Floating Structures for Deepwater Operations (Glasgow, UK, 2009), and Int. Conf. on Ships and Offshore Technology (Busan, Korea, 2009).

Prof. Paik has also devoted to the development of International Standards in association with International Organization for Standardization (ISO). Prof. Paik has been Convenor of ISO Technical Committee 8 / Sub-Committee 8 / Working Group 3 to develop ISO Standards 18072 on Requirements for Limit States Assessment of Ship Structures, since 2000. Ship structures have traditionally been designed primarily based on past experience in terms of allowable working stress, which is typically given as a fraction of material properties such as yield strength. However, it is well recognized that it is not possible to determine the true margin of structural safety as long as limit states remain unknown. Prof. Paik has internationally emphasized the importance and necessity of limit states based design approaches, and directed significant efforts towards the development of International Standards in conjunction with limit states. ISO 18072-1: General Requirements of Limit States Assessment of Ship Structures then became effective in November 2007 under the leadership of Prof. Paik, and ISO 18072-2 is now under development.

As Editor-in-Chief, Prof. Paik is in charge of editing UNESCO EOLSS (Encyclopedia Of Life Support Systems) 6.177 Ships and Offshore Structures. He is a co-founder of the Global Forum on Structural Longevity

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