

Van der Meer Consulting B.V.

COASTAL ENGINEERING CONSULTANCY & RESEARCH



Visitors address
Ljouwerterdyk 55a
8491 ML Akkrum
The Netherlands

Postal address
P.O. Box 11
8490 AA Akkrum
The Netherlands

Tel. +31 6 515 749 53
E-mail jm@vandermeerconsulting.nl
Internet www.vandermeerconsulting.nl

CoC 39097623
IBAN NL67KNAB0255473419
BIC KNABNL2H
VAT number NL8175.71.978.B.01

CURRICULUM VITAE

Name: J.W. van der Meer PhD MSc
First name: Jentsje
Year of birth: 1955
Nationality: Dutch

Education: 1988 PhD, Delft University of Technology
1981 MSc, Civil Engineering, Delft University of Technology
1976 BSc, Architecture, Technical College, Leeuwarden.

Languages: Frisian, Dutch, English;
working knowledge of French, German

Professional affiliation: ACOPNE, Diplomate in Coastal Engineering
KIVI, Royal Institution of Engineers, The Netherlands
ASCE, American Society of Civil Engineers
PIANC

Private address: Ljouwerterdyk 55 A, 8491 ML, Akkrum, The Netherlands,
Tel. mob. +31 651574953

Present position: Principal, Van der Meer Consulting b.v. since 2007
Emeritus Professor Coastal Structures and Ports at IHE Delft
Emeritus Professor at Delft University of Technology
jm@vandermeerconsulting.nl
www.vandermeerconsulting.com

Employment record: 2014-2021 Part time Professor Coastal Structures and Ports at IHE Delft
1997-2007 Infram, Head Department of Engineering
1987-2013 UNESCO-IHE, Guest lecturer on Breakwater Design
1992-1997 Delft Hydraulics, Deputy Director of Harbours, Coasts
and Offshore Technology Division
1989-1992 Delft Hydraulics, Head of Coastal Structures Department
1987-1988 Part time lecturer at Delft University
1981-1989 Delft Hydraulics, Project Engineer and Project Manager

Key qualifications

Dr Van der Meer is an internationally renowned expert in appraisal, design and testing of breakwaters and coastal structures, including seawalls and dikes. His work on rubble mound structures has been included in all manuals all over the world. He has worked 16 years at Delft Hydraulics (now Deltares), a well-known institute on specialised consulting and research of water related issues. At the position of Deputy Division Director he was involved in the management of the wider field of hydraulic and coastal engineering, coastal zone management, risk assessment and was responsible for the research and marketing of the Division (80 people, 50 academics). For ten years he had a position at Infram International, a private consultant for infrastructure appraisal and management, and he exploited his experience in specialized consultancy and research. Flood risk assessment studies became a relevant part of his work, both national and international. In 2007 he started his own firm Van der Meer Consulting b.v. on Coastal Engineering Consultancy & Research. From 2014-2021 he was professor Coastal Structures and Ports at IHE Delft, for one day per week.

In addition to the applied research in the first part of his career he has been project manager or advisor in many projects on design of all kinds of coastal structures all around the world, such as levees, dikes, seawalls, breakwaters, groins, revetments and shingle beaches. Many of them have since then been constructed. The applied research was performed for the Dutch government (various departments) and for the European Union. Later and also recent work was related to wave-structure interaction, such as wave run-up and wave overtopping at dikes, including the strength of these structures under wave attack. He developed a Dutch guideline on wave run-up and overtopping at dikes. The EU-project CLASH was initiated by him and included research institutes like HR Wallingford and Delft Hydraulics (now Deltares). He is co-author of the EurOtop Overtopping Manual, which brings together the knowledge of UK (HR Wallingford), the Netherlands (Infram/Van der Meer Consulting), Germany and Belgium. A second edition of this manual has been released in 2018 with Van der Meer as editor and co-author.

Dr Van der Meer is and has been chairman or member of a large number of national and international committees with respect to safety assessment and design of coastal structures. He has published about 250 papers in international journals, proceedings and books. He wrote the book "Design and construction of berm breakwaters", that was published in 2016. He has obtained the Halcrow Premium in 1987 and the T.K. Shieh award in 1992, both granted by the British Institution of Civil Engineers. Dr Van der Meer has been guest lecturer to the Delft International Hydraulic Engineering courses of UNESCO-IHE for more than twenty five years and contributed to many short courses and post doc courses.

Since 1989 Van der Meer has been involved in many EU-research projects on coastal structures, leading to national and international guidance on behaviour of seawalls, dikes and other coastal structures under storm surge and wave attack. All this research and guidance to practical rules made him a top expert on coastal structures in the Netherlands. The EU-project, *Floodsite*, which was coordinated by HR Wallingford, included failure mode analysis of seawalls under wave attack and wave overtopping. Through all this EU-research Dr Van der Meer has an excellent international network in Europe and world wide.

In 2000 Van der Meer was asked by Chevron, Pascagoula, Mississippi, to design a flood protection around the refinery at the US Coast. The levee was constructed and withstood the storm surge and waves of hurricane Katrina in 2005, although the whole city of Pascagoula was flooded! He was involved in the immediate repair of some damages and in the risk strategy for the future.

Dr van der Meer was involved in recent flood risk assessment studies in the Netherlands, including fresh water areas (rivers and large lakes) en salt water. But also in similar studies abroad, amongst others in France, Guyana, Canada, Belgium en India. Specific items are given under Special assignments. These studies in the Netherlands are often performed for Water Boards, the main owners of flood protections.

An innovation, with copy rights to Van der Meer, is the Wave Overtopping Simulator. This is a unique device to test the strength of real dikes for overtopping waves. This Simulator has been used to test the strength of various existing levees in the Netherlands in 2007 -2021 for overtopping waves. Other Simulators have been designed for the USA, Vietnam and Singapore. A Wave Impact Simulator and a Wave Run-up Simulator have been designed and constructed in 2012 and 2013, respectively.

Special assignments

Committees

- 2021-pres. Committee on land subsidence by gas exploration in Groningen, The Netherlands.
2019-pres. Committee on land subsidence by gas exploration in Fryslân, The Netherlands.
2018-pres. Editor of EurOtop Live. The EurOtop overtopping manual (www.overtopping-manual.com) may be updated every two years or so, based on improvements submitted by researchers and practitioners.
2005-pres. Member Expertise Network on Flood Defences - Working group on Technical Subjects (Dikes) – ENW.
2012-2016 Construction Advisory Board - Açú Breakwaters TX2, Brazil.
2009-2012 Design Board for Maasvlakte 2 (extension Port of Rotterdam).
2007-2009. Advisory Committee on Scale Model Research for Maasvlakte 2 (extension Port of Rotterdam).
2005-2008. Member Expertise Network on Flood Defences - Working group on Wave boundary conditions – ENW.
2003-pres. Member PIANC Working Group MarCom 47. Criteria for the selection of breakwater types and their optimum damage risk level.
2007 Member Quality Assurance Team Guideline for River Dike Design – ENW.
2000-2005. Member Technical Advisory Committee on Water Defences – Working group on Technical Subjects – TAW.
1999-2005 Member Technical Advisory Committee on Water Defences – Project group on Wave boundary conditions – TAW-Rand (Rivers, lakes, estuaries and sea).
2005 PhD-committee H. Verhaeghe, University of Gent, Belgium
2004 PhD-committee N. Napp, University of Edinburgh
2003 PhD-committee B. van der Walle, University of Gent, Belgium
1991-2000 Member Technical Advisory Committee on Water Defences - Working group on Hydraulic Loads and Revetments – TAW-A.
2000 PhD-committee P. Troch, University of Gent, Belgium
1991-1999 Member Technical Advisory Committee on Water Defences - Project group Guideline for sea and lake dikes - TAW-D2.
1993-1999 Member PIANC PTC II, working group 28. Breakwaters with vertical and inclined concrete walls.
1998 PhD-committee A. Arsié, University of Caen, France
1987-1997 Chairman Technical Advisory Committee on Water Defences - Project group on Hydraulic Loads - TAW-A1.
1995 PhD-committee M.R.A. van Gent, Delft University of Technology
1986-1993 Member Technical Advisory Committee on Water Defences - Probabilistic design - TAW-E.
1988-1990 Member CUR 67 - CIRIA 402. Manual on the use of rock in coastal and shoreline engineering.
1988-1990 Member CUR 70 committee - Structural strength of concrete armour units.
1987-1988 Chairman PIANC PTC II, working group 12, sub-working group C, Risk analysis.
1984-1985 Member Project group "Computer Applications in the Design of Breakwaters".

Reviewer of research proposals for EPSRC, UK

Reviewer of research proposals for the EU

Reviewer of research proposals for MIUR, Italy

Abroad

- 2024 Review of wave climate and breakwater design of the Alviðruhamrar Terminal, Iceland.
- 2023-2024 Technical mediator in damage case of a failed head of a breakwater, Benin.
- 2022-2024 Design of a rock groyne for Blue Bay resort, Curaçao.
- 2021-pres. Expert witness for the contractor in arbitration on unexpected damages and failures of a berm breakwater, Brazil.
- 2021-pres. Designer for coastal structures related to the Navy Port and land reclamation at Abu Qir, Egypt.
- 2021-pres. Advisor on design and model testing of the Sea Defence Structures Renewal of the Wellington International Airport, New Zealand.
- 2018-pres. Partner in EU-project CrossOver. Physical model tests on crossing seas (sea and swell from various directions) and wave overtopping.
- 2020-2022. Advisor on model testing with respect to the rehabilitation of the Zonguldak breakwater, Turkey.
- 2019-2022 Independent expert in arbitration on damage at Nouvelle Route du Littoral de la Réunion.
- 2019-2021 Advisor and reviewer for a Guideline in Singapore on wave overtopping mitigation measures to cope with sea level rise.
- 2018-2020 Design of a dedicated Wave Overtopping Simulator and performance of wave overtopping tests at Pulau Tekong, Singapore.
- 2017-2020 Breakwater expert and advisor to SENER, Barcelona, for the design and model testing of the new breakwater at San Antonio, Chile.
- 2011-2020. Design of breakwater; review of physical model tests; and advice during construction of the new port of Kuantan, Malaysia with 4.5 km breakwater.
- 2018-2019 Breakwater expert and advisor in the assessment of the Quetzal breakwaters, Guatemala.
- 2019 Independent expert in arbitration for damaged revetment at offshore terminal construction at Moin, Costa Rica.
- 2018 Independent reviewer for the design upgrades of the Mackay breakwaters, Australia.
- 2017-2018 Independent expert in arbitration for damage cases breakwater and offshore terminal construction at Moin, Costa Rica.
- 2016-2018 Expert witness in court case on damage in the Mose-project, Venice, Italy.
- 2014-2018 Consultant of design of Port City, Sri Lanka, a new reclamation protected by an offshore breakwater.
- 2017 Advisor for development of an avalanche simulator, Iceland.
- 2016-2017 Partner in ICODEP, an Eu-Hydralab project on large scale model testing of overtopping at a vertical structure with a movable steep beach in front.
- 2016 Set-up and guidance of model testing Dangote breakwater, Nigeria at CSIR, South Africa.
- 2014-2016 Editor and co-author on the second edition of the EurOtop Manual on wave overtopping – www.overtopping-manual.com.
- 2013-2016 Advisor to the Communauté de communes of Ile de Ré, France, on flood risk assessment and strength of present and future flood defences.
- 2008-2016 Consultant to the Client for the Açú breakwater and Terminal Sul Estaleiro during design and construction of the breakwaters, Brazil.
- 2015 Review of damage at Lae Port, Papua New Guinea and review of remedial model testing.
- 2014 Review of design calculations for rehabilitation of the rock armour for the WAC Bennett Dam, Canada
- 2013-2014 Design of an alternative Icelandic type berm breakwater for the new port of Hambantota, Sri Lanka.
- 2013-2014 Peer review of design for a breakwater at Jakarta, Indonesia.
- 2010-2013 Peer review of the design and later consultant to the client on model testing of the Oakajee Breakwater, Australia, including other Peer Reviews.
- 2012-2013 Overtopping tests in cooperation with Colorado State University, CO, USA, on the Herbert Hoover Dike at Lake Oakeechobee.

- 2009-2010 Design of Wave Overtopping Simulator for the USA, three times larger than the Dutch one.
- 2009-2010 Consultant for Antwerp City Council on mobile flood protection along the Scheldt river, Belgium.
- 2008-2010 Assistance in design and construction of a Wave Overtopping Simulator for Vietnam.
- 2008-2010 Flowdike, Hydralab III and KFKI. EU and KFKI-research (Germany) on combined effect of waves and currents on wave overtopping on river and sea dikes.
- 2009 Peer Review of design of the marine works for the Qatar Bahrein Causeway, Qatar.
- 2008 Independent expert assessment on design conditions of breakwaters, Khalifa, Abu Dhabi.
- 2007-2008 Independent expert on breakwater damage assessment, Caucedo, Dominican Republic.
- 2007 Offshore breakwater design for Callao Bay, Peru.
- 2006-2007. Alternative design with geocontainers of offshore breakwater at Açú Port, Brazil.
- 2006-2007 Coastal protection and restoration plan for New Orleans and Louisiana Coast.
- 2005-2008 Damage assessment and risk analysis of the hurricane protection around the Chevron refinery at Pascagoula, Mississippi, US, after having survived hurricane Katrina.
- 2005-2007 Writing the EurOtop Overtopping Manual in a cooperation with UK, Germany and Belgium (www.overtopping-manual.com).
- 2005-2007 ComCoast. European project between governments. Development of innovative wave overtopping resistant dikes and the wave overtopping simulator. Actual tests on a real dike at Groningen (www.comcoast.org).
- 2004-2007 EU-research programme FLOODsite. The only 6th framework programme on flood risk management.
- 2003-2007 Consultant for Dragados during construction of the breakwater at Hayovel, Israel.
- 2003-2007 Reviewer for update of the Rock Manual, Manual on the use of rock in hydraulic engineering.
- 2002-2005 Independent advisor for breakwater design of harbour of Oostende, Belgium.
- 2002-2004 Flood risk assessment study for the Haute Gironde, France.
- 2002-2004. EU-research programme CLASH. Crest level assessment of coastal structures by full-scale monitoring, neural network prediction and hazard analysis on permissible wave overtopping. Development of a homogeneous database on wave overtopping.
- 2001-2004 EU-research programme DELOS: Environmental design of low crested structures. Main task: 3D-tests on wave transmission.
- 2001-2003 Co-author of ICOLD-bulletin 130 on Risk Assessment. Risk assessment in dam safety management.
- 2003 Elaboration study for the EU to invest on shore protection in British Guyana, including site visit.
- 2003 Consultant for COMRISK with respect to safety assessment of the Belgian coast.
- 2002 Advisory Board for W.A.C. Bennet Dam deficiency investigations. Including site visit. British Columbia, Canada.
- 1998-2001 Invited expert at EU research project OPTICREST
- 2001 Peer review for the Wellington International Airport Runway End Enhancement Wave Study, New Zealand
- 2000 Design of flood protection dike around Chevron refinery, including site visit, Pascagoula, Mississippi, USA
- 2000 Review wave climate study and shore protection design, Marsden Point Development, New Zealand
- 2000 Expert Evaluation Panel for EU. Sustainable Marine Ecosystems under the programme Energy, Environment and Sustainable Development
- 2000 Expert Evaluation Panel for EU. Freight handling and ship operation under the programme of Competition and Sustainable Growth
- 1999-2000 Porbandar breakwater damage analysis and advice, including site visit, India.
- 1998-1999 Evaluation of riprap dam Casa de Piedra, including site visit, Argentina.
- 1999 Expert opinion breakwater design Port Said, Egypt
- 1999 Conceptual design seawall Disney Parc, Hong Kong
- 1999 Breakwater expert for design breakwater Barcelona, Spain.

- 1998 Evaluation of coastal structure designs, Jumeirah Coastal Zone, Dubai
- 1997 Evaluation of sliding of coastal protection, including site visit, British Guyana.
- 1995-1996 Breakwater expert in local design team for Ennore Port, India.
- 1981-1998 Various designs of rubble-mound breakwaters all around the world supported by physical model and desk studies concerning stability and functional requirements.
- 1985-1991 Model studies on scale effects and design aspects of berm breakwaters at St George, Alaska; Karwar, India and Funchal, Madeira.
- 1982-1994 Various physical model studies on wave forces and impacts against caissons all around the world.
- 1989-1994 Manager of EC research program MARine Science and Technology (MAST) on Coastal Structures.
- 1988-1991 Coordinator and guest editor of special issue of "Breakwaters", Journal of Coastal Engineering, Elsevier, Amsterdam.

Home-country

- 2023-pres. Project leader of a consortium on design and testing of transitions in a dike slope for wave overtopping. Location: IJsselmeerdijk near Lelystad.
- 2018-pres. Partner in a 12-years research project on measuring wind, waves and wave overtopping in the Eems-Dollard Estuary.
- 2019-2023. Testing sand dikes with grass covers at the IJssel and Vecht rivers with the wave overtopping and impact simulators.
- 2017 Advisor for design and model testing of a new design for the 32 km long Afsluitdijk.
- 2016 Expert in dispute resolution of applying small underlayers under rock armour layers.
- 2015-2017 Set-up and guidance of model testing on underlayers as filters for coastal protections by rock layers. Development of new design rules.
- 2013-2015 Advisor to Witteveen & Bos for the design of the improvements of the Afsluitdijk to become an overtopping resistant flood defence. The Afsluitdijk is a 32 km long closure dam.
- 2008-2015 Peer reviewer of the SBW project "Residual strength of dikes" of Deltares.
- 2012-2014 Design and construction of the Wave Impact Simulator and the Wave Run-up Simulator and destructive testing of dikes/levees at Vechtdijk (2012), Oosterbierum (2012, 2014), Nijmegen and Millingen (2013) and Zeelandbrug (2014), all in the Netherlands. WTI-2017 project of Deltares and the Dutch Public Works Department.
- 2014 Expert in dispute resolution between client and contractor about application of filter criteria for a rock armoured structure.
- 2012-2014 Advisor to Port of Rotterdam for wave reflection reduction systems at quay wall, including physical model tests.
- 2011-2013. Review Committee for breakwater of IJmuiden.
- 2010-2012. Co-author of the ENW Technical Report "Strength of grass covered dikes by wave attack and wave overtopping" (in Dutch).
- 2006-2011 Design and construction of the Wave Overtopping Simulator and destructive testing of inner slopes of real dikes/levees at Delfzijl (2007), Boonweg, St Philipsland and Kattendijke (all 2007), Afsluitdijk (2009) and Vechtdijk, Zwolle (2010), Tholen (2011) all in the Netherlands. SBW-project (Strength and Loads on Water Defences) of Deltares and the Dutch Public Works Department.
- 2008-2010 Feasibility study on indestructible dikes.
- 2007-2009 Analysis of waves, wave run-up and overtopping measured in a field campaign during storms at the Pettemer Seadike.
- 2007 Expert advice for ENW on emergency measures for the Pettemer sea dike.
- 2007 Design conditions for dike improvements at Ameland and Terschelling.
- 2007 Development of fragility curves for safety assessment of dikes.
- 2006-2007 Development of a research programme for testing dikes by remote sensing and internal techniques for damage assessment and monitoring.
- 2006-2007 Development of the Rich Dike. Ecological optimisation integrated in civil engineering design.
- 2004-2005 Member review team for the breakwater of IJmuiden, NL.
- 2004-2005 Development safety assessment rules for pitched natural rock (Noorse steen).

- 2004-2005 Development method of “proven strength” on pitched natural rock slopes.
- 2002-2005 Member Quality team for VNK-study on safety of Dutch polders against flooding by means of full probabilistic calculations.
- 2000-2005 Wave boundary conditions, required heights of seawalls, environmental impact assessment, supervision of design and planning of reinforcement of seawalls in city of Harlingen
- 2001-2003 Member Review team, planned extension of 1000 hectares for Port of Rotterdam.
- 2000-2002 TAW Guideline on vertical structures: chapter on Required Height
- 1996-2002 Main author of Dutch Guideline on wave run-up and overtopping at dikes, including:
- Definition report for PC-OVERSLAG
 - Review and testing of program PC-OVERSLAG
 - Report on influence factors of roughness on run-up
- 1999-2002 Safety assessment of dikes around Marker lake with respect to geotechnical stability and proven strength from history.
- 1999-2000 Development of model for failure mechanism (erosion) of a dike until breaching.
- 1997-2000 Bi-modal wave spectra:
- Report on effects on required of dikes
 - Analysis of extensive research data of HR Wallingford on wave overtopping
- 1997-2000 Probabilistic program HYDRA-M:
- Description of low-crested dams and foreshores
 - Verification of wave boundary conditions along the Markermeer
- 1999 Evaluation of safety in design procedures for placed block revetments
- 1999 Design report for single-layer armour units.
- 1998-1999 Expert on conceptual design of breakwaters for Main Port Rotterdam, extension of Maasvlakte II
- 1996-1998 Project Manager of extensive study on safety aspects and risk analysis of two great lakes in The Netherlands, the IJsselmeer and Markermeer
- 1985-1998 Applied and fundamental research on wave run-up, run-down, reflection and transmission concerning rock structures and dikes, using physical model tests and mathematical models.
- 1983-1992 Applied and fundamental research on rubble mound breakwaters:
- interlocking and friction of armour units
 - new design formula for breakwater armour units: Cubes, Tetrapods and Accropode
 - scaling strength of concrete armour units
 - hydraulic behaviour of armour units
 - impact velocities of rocking armour units.
- 1983-1988 Fundamental research on the stability of coarse material under wave action. A five year programme, including more than 400 small scale tests and 20 large scale tests (Delta flume). Topics:
- stability formula for statically stable slopes (breakwaters)
 - description profile of dynamically stable slopes (rock and gravel beaches)
 - evaluation of scale effects.
- 1987 Development and installation of wave basin with short-crested waves.
- 1990 Development of computer program BREAKWAT (design of breakwaters)
- 1991 Model investigation on the influence of oblique and short-crested waves on wave run-up and overtopping.
- 1987-pres. Guidance of MSc-students at Delft University of Technology on various subjects.

List of publications divided into subjects

Most of them can be downloaded from www.vandermeerconsulting.nl

Special topics

1. **Risk assessment**
2. **Design conditions**
3. **Stability of coastal structures**
 - a. Dikes, levees and embankments and the Wave Overtopping Simulator
 - b. Rock slopes
 - c. Breakwater armour
 - d. Berm breakwaters
 - e. Low-crested structures
 - f. Vertical structures
 - g. Toe structures
4. **Functional design of coastal structures**
 - a. Wave overtopping
 - b. Wave transmission
 - c. Wave reflection
5. **Other subjects**

Special topics

- 2024 Van der Meer, J.W., T. Lykke Andersen and M.R. Eldrup. Rock armour slope stability under wave attack in shallow water. JCHS, Vol. 4, 2024, paper 35. DOI: <https://doi.org/10.59490/jchs.2024.0035>.
- 2021 Van der Meer, J.W. Rock armour slope stability under wave attack; the Van der Meer formula revisited. JCHS, Vol. 1, 2021, 8. DOI: <https://doi.org/10.48438/jchs.2021.0008>.
- 2018 EurOtop (2018). Manual on wave overtopping of sea defences and related structures. An overtopping manual largely based on European research, but for worldwide application. Van der Meer, J.W., Allsop, N.W.H., Bruce, T., De Rouck, J., Kortenhaus, A., Pullen, T., Schüttrumpf, H., Troch, P. and Zanuttigh, B., www.overtopping-manual.com
- 2016 Van der Meer, J.W and S. Sigurdarson. Design and construction of berm breakwaters. World Scientific. Advanced Series on Ocean Engineering, Volume 40. ISBN 978-981-4749-60-2. Available online and for free: www.vdm-c.nl
- 2014 Van der Meer, J.W. From test to practice. Inaugural address as professor of Coastal Structures and Ports at UNESCO-IHE, Delft.

1. Risk assessment

- 2018 Dugor, J., H. Rault, E. Tirard, D. Rihouey, J. Baills and J.W. van der Meer. Développement d'un outil d'aide à la gestion des digues de l'île de Ré. XVèmes Journées Nationales Génie Côtier – Génie Civil. La Rochelle, FR, DOI:10.5150/jngcgc.2018.089.
- 2016 Dugor, J., D. Rihouey and J.W. van der Meer. Modélisation du risque de submersion marine intégrant les défaillances d'ouvrages. Application à l'île de Ré. XIVèmes Journées Nationales Génie Côtier – Génie Civil, Toulon, FR.
- 2008 Van der Meer, J.W. Coastal flooding: a view from a practical Dutchman on present and future strategies. Keynote paper at FloodRisk, Oxford, UK. Flood Risk Management: Research and Practice – Samuels et al. (eds.) ISBN 978-0-415-48507-4; pp 3-10.
- 2008 Van der Meer, C. Cooper, M.J. Warner, H. Adams-Morales and G.J. Steendam. The success of the hurricane protection around Chevron's refinery at Pascagoula, MS, during Katrina. PIANC Conference, Mobile, AL, USA.

- 2008 Van der Meer, J.W., W.L.A. ter Horst and E.H. van Velzen. Calculation of fragility curves for flood defence assets. Proc. FloodRisk, Oxford, UK. Flood Risk Management: Research and Practice – Samuels et al. (eds.) ISBN 978-0-415-48507-4; pp 567-573
- 2008 Allsop, N.W.H., T. Bruce, T. Pullen and J.W. van der Meer. Direct hazards from wave overtopping – the forgotten aspect of coastal flood risk assessment? DEFRA, Proc. Flood and Coastal Management Conference, Manchester, UK.
- 2005 Van der Meer, J.W., S. Nurmohamed, L.A. Philipse, G.J. Steendam and J. Wouters. Stability Assessment of single layers of orderly placed and of pitched natural rock. Proc. Second International Coastal Symposium, Höfn, Iceland.
- 2005 Van der Meer, J.W., A. Benaïssa and P. Weidema. Risk-based management of flooding in the Haute Gironde. Proc. Third International Symposium on Flood Defence, Nijmegen, NL.
- 2003 Takahashi, S., M. Hanzawa, S. Sugiura, K. Shimosaka and J.W. van der Meer. Performance design of maritime structures and its application to armor stones and blocks of breakwaters. ASCE, Proc. Coastal Structures 2003, Portland, Oregon, pp. 14 - 26.
- 2001 Van der Meer, J.W., R. Stroeve and R. Sies. Integral optimisation design techniques and neural networks. Proc. Int. Workshop on Advanced design of maritime structures in the 21st century (ADMS21), Japan.
- 1998 De Loeff, H. and Van der Meer, J.W. Assessment of safety against flooding in the Netherlands. Proc. MAFF conference, Keele, UK.
- 1998 Van der Meer, J.W., Tönjes, P. and de Waal, J.P. A code for dike height design and examination. Coastlines, Structures and Breakwaters. ICE, pp. 5-19. Ed. N.W.H. Allsop, Thomas Telford, London, UK.
- 1998 Van der Meer, J.W., de Loeff, A.P. and Glas, P. Integrated approach on the safety of dikes along the great Dutch lakes. ASCE, proc. 26th ICCE, pp. 3439-3452. Copenhagen, Denmark.
- 1988 Van der Meer, J.W. Book review of: Design and Construction of Mounds for Breakwaters and Coastal Protection (Per Bruun, ed.). Journal of Coastal Engineering, Elsevier, 12, pp. 107-108.

2. Design conditions

- 2020 Lashley, C., J.D. Bricker, J.W. van der Meer, C. Altomare and T. Suzuki. Relative magnitude of infragravity waves at coastal dikes with shallow foreshores: a prediction tool. ASCE, J. Waterway, Port, Coastal, Ocean Eng. DOI: 10.1061/(ASCE) WW.1943-5460.0000576. © 2020 American Society of Civil Engineers.
- 2020 Lashley, C., B. Zanuttigh, J.D. Bricker, J.W. van der Meer, C. Altomare, T. Suzuki, V. Roeber and P. Oosterlo. Benchmarking of numerical models for wave overtopping at dikes with shallow mildly sloping foreshores: Accuracy versus speed. Elsevier, Environmental Modelling and Software 130 (2020) 104740.
- 2019 Lashley, C., J.D. Bricker, J.W. van der Meer, C. Altomare and T. Suzuki. Infragravity-wave dominance at sea-dikes fronted by very and extremely shallow foreshores. Proc. ISOPE, Honolulu, Hawaii, USA. ISBN 978-1 880653 85-2; ISSN 1098-6189.
- 2018 Oosterlo, P., J.W. van der Meer, B. Hofland and G. van Vledder. Wave modelling in a complex estuary: study in preparation of field measurement campaign Eems-Dollard estuary. ASCE, proc. ICCE 2018, Baltimore, USA.
- 2002 Van der Meer, J.W., J.W. Langenberg, M. Klein Breteler, D.P. Hurdle and F. den Heijer. Wave boundary conditions and overtopping in complex areas. ASCE, Proc. 28th ICCE, Cardiff, UK, pp. 2092-2104.
- 1999 Klopman, G. and Van der Meer, J.W. Random wave measurements in front of reflective structures. Journal of WPC and OE, ASCE, Volume 1, No. 1, pp. 39-45. New York.
- 1999 Otta, A.K. and Van der Meer, J.W. Wave height distribution over a shallow fore-land from Boussinesq modelling. Proc. Coastal Structures '99, Santander, Spain. Losada (ed.), Balkema, Rotterdam, pp. 47-55.

3. Stability of coastal structures

a. Dikes, levees and embankments and the Wave Overtopping Simulator

- 2024 Van der Meer, J.W., B. Hardeman, J. Valk, S. Versteeg, M. Huis in't Veld, W. Halter, A. van Hoven and R. Mom. Improving transitions at grass covered dike slopes using the Wave Overtopping Simulator. ASCE, Proc. ICCE 2024, Rome.
- 2024 Mom R., G.J. Steendam, R. van der Meijden, J. Warmink, A. van Hoven, J.W. van der Meer. Grass sod pulling tests to determine the erosion resistance against wave overtopping of various types of grass covers: an adjusted analysis method. ASCE, Proc. ICCE 2024, Rome.
- 2022 Lashley, C.H., S.N. Jonkman, J.W. van der Meer, J.D. Bricker and V. Vuik. The influence of infragravity waves on the safety of coastal defences: a case study of the Dutch Wadden Sea. *Nat. Hazards Earth Syst. Sci.*, 22, 1–22, 2022. <https://doi.org/10.5194/nhess-22-1-2022>.
- 2020 Van der Meer, J.W., G.J. Steendam, C.A. Mosca, L. Bolatti Guzzo, K. Takata, Ng Say Cheong, Eng, Chua Kok Eng, L. Ang LJ, G.P. Ling, C.W. Siang, C.W. Seng, M. Karthikeyan, F. Yap SC and V. Govindasamy. Wave overtopping tests to determine tropical grass species and topsoils for polder dikes in a tropical country. *Coastal Engineering Proceedings*, (36v), papers.31. <https://doi.org/10.9753/icce.v36v>.
- 2018 Van der Meer, J.W., A. van Hoven, G.J. Steendam and G. Hoffmans. Hydraulic simulators on real dikes and levees. 3rd Int. Conf. on Protection against Overtopping, June 2018, UK.
- 2018 Steendam, G.J., J.W. van der Meer, P. van Steeg and R. Joosten. Wave impacts at small and real scale for the stepped sloped seawall design at Den Oever. ASCE, Proc. ICCE 2018, Baltimore, USA.
- 2018 Oosterlo, P., R.T. McCall, V. Vuik, B. Hofland, J.W. van der Meer and S.N. Jonkman. Probabilistic Assessment of Overtopping of Sea Dikes with Foreshores including Infragravity Waves and Morphological Changes: Westkapelle Case Study. *J. Mar. Sci. Eng.* 2018, 6, 48; doi:10.3390/jmse6020048.
- 2018 Hoffmans, G., A. van Hoven, G.J. Steendam and J.W. van der Meer. Summary of research work about erodibility of grass revetments on dikes. 3rd Int. Conf. on Protection against Overtopping, June 2018, UK.
- 2017 Van der Meer, J.W. Simulators as Hydraulic Test Facilities at Dikes and other Coastal Structures. Chapter 1 in *Series of Coastal and Ocean Engineering Practice, Vol.2. Design of Coastal Structures and Sea Defences*. Ed. Y.C. Kim.
- 2016 Bijlard, R., G.J. Steendam, H.J. Verhagen and J.W. van der Meer. Determining the critical velocity of grass sods for wave overtopping by a grass pulling device. ASCE, Proc. ICCE 2016, Antalya, Turkey.
- 2016 Steendam, G.J., A. van Hoven and J.W. van der Meer. Wave run-up simulation on real dikes. ASCE, Proc. ICCE 2016, Antalya, Turkey.
- 2015 Van der Meer, J.W., G.J. Steendam and A. van Hoven. Validation of cumulative overload method based on tests by the new wave run-up simulator. ASCE, Proc. Coastal Structures, Boston.
- 2014 Steendam, G.J., A. van Hoven, J.W. van der Meer and G. Hoffmans. Wave Overtopping Simulator tests on transitions and obstacles at grass covered slopes of dikes. ASCE, proc. ICCE 2014, Seoul, South Korea.
- 2014 Le H.T., J.W. van der Meer and H.J. Verhagen. Wave overtopping simulator tests on Vietnamese seadikes. *Coastal Engineering Journal*, Vol. 56, No. 3 (2014) 1450017.
- 2013 Steendam, G.J., J.W. van der Meer, P. van Steeg and G. van der Meer. Hydraulic test facilities at dikes in situ. *Proc. ICE, Coasts, Marine Structures and Breakwaters 2013*, Edinburgh, UK.
- 2013 Hughes, S., C. Thornton, B. Scholl, N. Youngblood, J. Beasley, R. Tucker and J.W. van der Meer. Wave overtopping resiliency of grass and turf reinforcement mats on sandy soils. *Proc. ICE, Coasts, Marine Structures and Breakwaters 2013*, Edinburgh, UK.
- 2012 Van der Meer, J.W., Y. Provoost and G.J. Steendam. The wave run-up simulator, theory and first pilot test. ASCE, Proc. ICCE 2012, Santander, Spain.
- 2012 Hughes, S, C. Thornton, J.W. van der Meer and B. Scholl. Improvements in describing wave overtopping processes. ASCE, Proc. ICCE 2012, Santander, Spain.

- 2012 Steendam, G.J., Y. Provoost and J.W. van der Meer. Destructive wave overtopping and wave run-up tests on grass covered slopes of real dikes. ASCE, Proc. ICCE 2012, Santander, Spain.
- 2012 Le H.T., J.W. van der Meer and H.J. Verhagen. Wave overtopping simulator tests on sea dikes in Viet Nam. ASCE, Proc. ICCE 2012, Santander, Spain.
- 2012 Gier, F., H. Schüttrumpf, J. Mönnich and J.W. van der Meer. Stability of interlocked pattern placed block revetments. ASCE, Proc. ICCE 2012, Santander, Spain.
- 2011 Van der Meer, J.W. Design aspects of breakwaters and sea defences. Keynote lecture. Proc. 5th SCACR, the International Short Conference on Applied Coastal Research, Aachen, Germany.
- 2011 Van der Meer, J.W., C. Thornton and S. Hughes. Design and operation of the US Wave Overtopping Simulator. ASCE, Proc. Coastal Structures 2011, Yokohama, Japan.
- 2011 Thornton, C., J.W. van der Meer and S.A. Hughes. Testing levee slope resiliency at the new Colorado State University Wave Overtopping Test Facility. ASCE, Proc. Coastal Structures 2011, Yokohama, Japan.
- 2011 Le H.T., H. J. Verhagen and J.W. van der Meer. Wave overtopping resistance of grassed slopes in Viet Nam. ASCE, Proc. Coastal Structures 2011, Yokohama, Japan.
- 2011 Steendam, G.J., P. Peeters., J.W. van der Meer, K. Van Doorslaer, and K. Trouw. Destructive wave overtopping tests on Flemish dikes. ASCE, Proc. Coastal Structures 2011, Yokohama, Japan.
- 2011 Le, H.T., H.J. Verhagen and J.W. van der Meer. Wave overtopping resistance of grassed slopes in Viet Nam. Proc. 5th International Short Conference on Applied Coastal Research, Aachen, Germany.
- 2011 Gier, F., J. Mönnich, H. Schüttrumpf and J. W. van der Meer. Experimentelle Untersuchungen zur Stabilität von verzahnten Setz-steindeckwerken. Proc. 41. IWASA, Internationales Wasserbau-Symposium, Aachen, Germany.
- 2010 Van der Meer, J.W., B. Hardeman, G.J. Steendam, H. Schüttrumpf and H. Verheij. Flow depths and velocities at crest and inner slope of a dike, in theory and with the Wave Overtopping Simulator. ASCE, Proc. ICCE 2010, Shanghai.
- 2010 Steendam, G.J., J.W. van der Meer, B. Hardeman and A. van Hoven. Destructive wave overtopping tests on grass covered landward slopes of dikes and transitions to berms. ASCE, Proc. ICCE 2010, Shanghai.
- 2010 Le H.T., J.W. van der Meer, G.J. Schiereck, Vu Minh Cath and G. van der Meer. Wave Overtopping Simulator Tests in Vietnam. ASCE, Proc. ICCE 2010, Shanghai.
- 2010 Van Hoven, A., B. Hardeman, J.W. van der Meer and G.J. Steendam. Sliding stability of landward slope clay cover layers of sea dikes subject to wave overtopping. ASCE, Proc. ICCE 2010, Shanghai.
- 2009 Van der Meer, J.W., R. Schrijver, B. Hardeman, A. van Hoven, H. Verheij and G.J. Steendam. Guidance on erosion resistance of inner slopes of dikes from three years of testing with the Wave Overtopping Simulator. Proc. ICE, Coasts, Marine Structures and Breakwaters 2009, Edinburgh, UK.
- 2008 Van der Meer, J.W., G.J. Steendam, G. de Raat and P. Bernardini. Further developments on the wave overtopping simulator. ASCE, Proc. ICCE 2008, Hamburg, 2957-2969.
- 2008 Wolters, G., J.W.H. Nieuwenhuis, J.W. van der Meer and M. Klein Breteler. Large scale tests of clay erosion at the Wieringermeer dike (IJsselmeer). ASCE, Proc. ICCE 2008, Hamburg, 3263-3275.
- 2008 Hoffmans, G., G.J. Akkerman, H. Verheij, A. van Hoven and J.W. van der Meer. The erodibility of grassed inner dike slopes against wave overtopping. ASCE, Proc. ICCE 2008, Hamburg, 3224-3236.
- 2008 Steendam, G.J., W. de Vries, J.W. van der Meer, A. van Hoven, G. de Raat and J.Y. Frissel. Influence of management and maintenance on erosive impact of wave overtopping on grass covered slopes of dikes; Tests. Proc. FloodRisk, Oxford, UK. Flood Risk Management: Research and Practice – Samuels et al. (eds.) ISBN 978-0-415-48507-4; pp 523-533.
- 2007 Van der Meer, J.W., P. Bernardini, G.J. Steendam, G.J. Akkerman and G.J.C.M. Hoffmans. The wave overtopping simulator in action. Proc. Coastal Structures, Venice, Italy.

- 2007 Akkerman, G.J., P. Bernardini, J.W. van der Meer, H. Verheij and A. van Hoven. Field tests on sea defences subject to wave overtopping. Proc. Coastal Structures, Venice, Italy.
- 2006 Van der Meer, J.W., P. Bernardini, W. Snijders and H.J. Regeling. The wave overtopping simulator. ASCE, ICCE 2006, San Diego, pp. 4654 - 4666.

b. Rock slopes

- 2024 Van der Meer, J.W., T. Lykke Andersen and M.R. Eldrup. Rock armour slope stability under wave attack in shallow water. JCHS, Vol. 4, 2024, paper 35. DOI: <https://doi.org/10.59490/jchs.2024.0035>.
- 2022 Van der Meer, J.W., T. Lykke Andersen and M. Røge Eldrup. The Van der Meer formula for rock slope stability at shallow water. ASCE, Extended abstract ICCE 2022, Sydney.
- 2021 Van der Meer, J.W. Rock armour slope stability under wave attack; the Van der Meer formula revisited. JCHS, Vol. 1, 2021, 8. DOI: <https://doi.org/10.48438/jchs.2021.0008>.
- 2017 Van der Meer, J.W., M.R.A. van Gent, G. Wolters and D. Heineke. New design guidance for underlayers and filter layers of rock armour under wave attack. Proc. ICE Coasts, Marine Structures and Breakwaters, Liverpool, UK.
- 2017 Van der Plas, T., J.W. van der Meer, E. Ripoll Dominguez and E. Bijl. Stability of very wide graded material designed as breakwater core, under wave attack. Proc. ICE Coasts, Marine Structures and Breakwaters, Liverpool, UK.
- 2012 Kik, R., J.P. van den Bos, J. Maertens, H.J. Verhagen and J.W. van der Meer. Notional permeability. ASCE, Proc. ICCE 2012, Santander, Spain.
- 2011 Van der Meer, J.W. Design aspects of breakwaters and sea defences. Keynote lecture. Proc. 5th SCACR, the International Short Conference on Applied Coastal Research, Aachen, Germany.
- 2006 Nurmohamed, S., G.J. Steendam and J.W. van der Meer. Weight and stability assessment of single layers of orderly placed or pitched natural rock. ASCE, ICCE 2006, San Diego pp. 4815 - 4827.
- 1998 Van der Meer, J.W. Geometrical design of coastal structures. Chapter 9 in: "Seawalls, dikes and revetments". Edited by K.W. Pilarczyk. Balkema, Rotterdam.
- 1998 Van der Meer, J.W. Applications and stability criteria for rock and artificial units. Chapter 11 in: "Seawalls, dikes and revetments" Edited by K.W. Pilarczyk. Balkema, Rotterdam.
- 1997 Van der Meer, J.W. Discussion on: Comparison and evaluation of different riprap stability formulas using field performance, by Belfadhel et al. ASCE, Journal of WPC&OE, pp. 147-148.
- 1995 Van der Meer, J.W. Conceptual design of rubble mound breakwaters. World Scientific. In: Advances in Coastal and Ocean Engineering, Volume 1. Ed. P.L.F. Liu, pp. 221-315.
- 1995 Van der Meer, J.W. A review of stability formulas for rock and riprap slopes under wave attack. In: River, coastal and shoreline protections; Erosion control using riprap and armourstone. John Wiley & Sons, England. Edited by C.R. Thorne et al. Proc. Riprap workshop, Fort Collins, Colorado, USA, pp. 191-212.
- 1993 Van der Meer, J.W. Conceptual design of rubble mound breakwaters. Delft Hydraulics Publication number 483.
- 1992 Van der Meer, J.W. Conceptual design of rubble mound breakwaters. ASCE, Short course at 23rd ICCE, Venice, Italy.
- 1990 Van der Meer, J.W. Deterministic and probabilistic design of breakwater armour layers. Discussion. Proc. ASCE, Journal of WPC and OE, Vol. 116, No. 4, pp. 502-516.
- 1990 Van der Meer, J.W. and Vis, F.C. Design tools for rubble structures, Proc. Port. Engg. Seminar with Emphasis on Computer and Port Engg., Kuala Lumpur, Malaysia.
- 1990 Van der Meer, J.W. Rubble mounds recent modifications. In: Handbook of Coastal and Ocean Engineering. Herbich (ed.), Texas A&M University, Ch. 28.
- 1990 Van der Meer, J.W. Probabilistic design of breakwaters. In: Handbook of Coastal and Ocean Engineering. Herbich (ed.), Texas A&M University, Ch. 22.
- 1990 Van der Meer, J.W. Deterministic and probabilistic design of breakwater armour layers. Journal of the Korean Society of Agricultural Engineers, Vol. 32, No. 1, pp.7-16 (In Korean).
- 1989 Van der Meer, J.W. Stability of breakwater armour layers-design formulae, Discussion. Journal of Coastal Engineering, Elsevier, 13, pp. 81-90.

- 1989 Van der Meer, J.W. Stability of breakwaters – Delft Hydraulics' developments. Third National Conference Dock & Harbour Engg., Suratkal, India.
- 1988 Van der Meer, J.W. Deterministic and probabilistic design of breakwater armour layers. Proc. ASCE, Journal of WPC and OE, Vol. 114, No. 1.
- 1988 Van der Meer, J.W. Rock slopes and gravel beaches under wave attack. Doctoral thesis, Delft University of Technology. Also Delft Hydraulics Publication no. 396.
- 1988 Van der Meer, J.W. and Pilarczyk, K.W. Large scale verification tests on rock slope stability. ASCE, Proc. 21st ICCE, Malaga.
- 1987 Van der Meer, J.W. Stability of breakwater armour layers - Design formulae. Journal of Coastal Engineering, 11, pp. 219-239.
- 1987 Van der Meer, J.W. and Pilarczyk, K.W. Stability of breakwater armour layers - Deterministic and probabilistic design. Delft Hydraulics Communication No. 378.
- 1987 Van der Meer, J.W. and Pilarczyk, K.W. Discussion on: Armor layer stability of rubble-mound breakwaters by Per Anders Hedar. ASCE, Journal of WPC&OE, pp.388-391.
- 1986 Van der Meer, J.W. Deterministic and probabilistic design of breakwater armour layers. The Dock & Harbour Authority, December, pp. 177-180.
- 1985 Van der Meer, J.W. Stability of rubble mound revetments and breakwaters under random wave attack. Breakwaters; Design and Construction, Thomas Telford, Proc. Breakwaters '85 Conference, London.
- 1984 Van der Meer, J.W. and Pilarczyk, K.W. Stability of rubble mound slopes under random wave attack. ASCE, Proc. 19th ICCE, Houston. Also Delft Hydraulics Publication No. 332.

c. Breakwater armour

- 2017 Salauddin, M., A. Broere, J.W. van der Meer, H.J. Verhagen and E. Bijl. First tests on the symmetrical breakwater armor unit crablock. Coastal Engineering Journal, Vol. 59, No. 4 (2017) 1750020. DOI: 10.1142/S0578563417500206.
- 2017 Bijl, E., J.W. van der Meer, F. Bonfantini and S. te Slaa. Investigation and simulation of failure mechanism of a port basin revetment, generation of remediation design and reconstruction works. Proc. ICE Coasts, Marine Structures and Breakwaters, Liverpool.
- 2015 Salauddin, M., A. Broere, J.W. van der Meer, H.J. Verhagen and E. Bijl. New symmetrical unit for breakwater armour: first tests. ASCE, Proc. Coastal Structures, Boston.
- 2000 Burcharth, H.F., d'Angremond, K., Van der Meer, J.W. and Liu, Z. Empirical formula for breakage of Dolosse and Tetrapods. Journal of Coastal Engineering 40 (2000) 183-206.
- 1999 Van der Meer, J.W. Design of concrete armour layers. Proc. Coastal Structures '99, Santander, Spain. Losada (ed.), Balkema, Rotterdam, pp. 213-221.
- 1999 Van Gent, M.R.A., Spaan, G.B.H., Plate, S.E., Van der Meer, J.W., and d'Angremond, K. Single-layer rubble mound breakwaters. Proc. Coastal Structures '99, Santander, Spain. Losada (ed.), Balkema, Rotterdam, pp. 231-239.
- 1999 d'Angremond, K., Berendsen, E., Bhageloe, G.S., Van Gent, M.R.A. and Van der Meer, J.W. Breakwaters with a single armour layer. Proc. COPEDEC, South Africa.
- 1994 d'Angremond, K., Van der Meer, J.W. and Van Nes, C.P. Stresses in tetrapod armour units induced by wave actions. ASCE, proc. 24th ICCE, Kobe, Japan, pp. 1713-1726.
- 1993 Ligteringen, H., van der Meer, J.W. and Rita, M. Sines West Breakwater. Emergency repair, hydraulic studies. ASCE, proc. Sines Workshop, Lisbon, Portugal.
- 1993 Ligteringen, H., Silveira Ramos, F., van der Meer, J.W. and Rita, M. West Breakwater Sines. Definitive Rehabilitation, general concept. ASCE, proc. Sines workshop, Lisbon, Portugal.
- 1991 Van der Meer, J.W. and Heydra, G. Rocking armour units: number, location and impact velocity. Journal of Coastal Engineering, special issue "Breakwaters", 15 (1991) 3-19, Elsevier. Also Delft Hydraulics Publication Number 435.
- 1989 Van der Meer, J.W. Impact velocities of rocking armor units. Proc. Workshop Stresses in concrete armor units, Vicksburg.
- 1988 Van der Meer, J.W. Stability of Cubes, Tetrapods and Accropode. Design of Breakwaters, Thomas Telford. Proc. Breakwaters '88 Conference, Eastbourne.

d. Berm breakwaters

- 2017 Sigurdarson, S. and J.W. van der Meer. Armourstone for berm breakwaters. Proc. ICE Coasts, Marine Structures and Breakwaters, Liverpool, UK.
- 2016 Van der Meer, J.W and S. Sigurdarson. Design and construction of berm breakwaters. World Scientific. Advanced Series on Ocean Engineering, Volume 40. ISBN 978-981-4749-60-2. www.vandermeerconsulting.nl.
- 2016 Van der Meer, J.W. and S. Sigurdarson. Design of berm breakwaters. Chapter in Handbook of Coastal and Ocean Engineering, 2nd Edition, Ed. Y.C. Kim. World Scientific.
- 2016 S. Sigurdarson and J.W. van der Meer. Designing berm breakwaters for different wave heights and different quarry yield. ASCE, Proc. ICCE 2016, Antalya, Turkey.
- 2016 Van der Meer, J.W. and S. Sigurdarson. Berm breakwaters: designing for wave heights from 3 m to 7 m. Proc. PIANC-COPEDEC IX, 2016, Rio de Janeiro, Brasil.
- 2015 Sigurdarson, S. and J.W. van der Meer. Design and construction aspects of berm breakwaters. ASCE, Proc. Coastal Structures, Boston.
- 2014 Van der Meer, J.W. and S. Sigurdarson. Geometrical design of berm breakwaters. ASCE, proc. ICCE 2014, Seoul, South Korea.
- 2014 Sigurdarson, S., J.W. van der Meer, E. Bijl, Yang Sihan, Tang Qiaoliang, Zhang Xiaoqiang, James KS Goh and D. Heijboer. Icelandic-type berm breakwater for the Hambantota artificial island revetment, application of geometrical design rules. ASCE, proc. ICCE 2014, Seoul, South Korea.
- 2014 Thomsen, J.B., M.S. Røge, N.F. Christensen, T. Lykke Andersen and J.W. van der Meer. Stability of hardly reshaping berm breakwaters exposed to long waves. ASCE, proc. ICCE 2014, Seoul, South Korea.
- 2013 Sigurdarson, S. and J. W. van der Meer. Design of berm breakwaters, recession, overtopping and reflection. Proc. ICE, Coasts, Marine Structures and Breakwaters 2013, Edinburgh, UK.
- 2012 Sigurdarson, S. and J. W. van der Meer. Wave overtopping at berm breakwaters in line with EurOtop. ASCE, Proc. ICCE 2012, Santander, Spain.
- 2012 Lykke Andersen, T., J.W. van der Meer, H.F. Burcharth and S. Sigurdarson. Stability of hardly reshaping berm breakwaters. ASCE, Proc. ICCE 2012, Santander, Spain.
- 2011 Van der Meer, J.W. Design aspects of breakwaters and sea defences. Proc. 5th SCACR, the International Short Conference on Applied Coastal Research, Aachen, Germany.
- 2011 Sigurdarson, S. and J.W. van der Meer. Front slope stability of the Icelandic-type berm breakwater. ASCE, Proc. Coastal Structures 2011, Yokohama, Japan.
- 2008 Sigurdarson, S., J.W. van der Meer, A. Tørum and R. Tomasicchio. Berm recession of the Icelandic-type berm breakwater. ASCE, Proc. ICCE 2008, Hamburg, 3311-3323.
- 2008 Sigurdarson, S, S. Gretarsson and J.W. van der Meer. The Icelandic-Type Berm Breakwater –Breaking the 8.0 m Significant Wave Height Limit. Proc. PIANC AGA, Beijing, China.
- 2008 Sigurdarson, S. Gretarson and J.W. van der Meer. The Icelandic-type berm breakwater for large design wave heights. Proc. COPEDEC VII, Dubai, UAE.
- 2007 Sigurdarson, S., J.W. van der Meer, H.F. Burcharth and J. Dalsgaard Sørensen. Optimum safety levels and design rules for the Icelandic type berm breakwater. Proc. Coastal Structures, Venice, Italy.
- 1999 Van der Meer, J.W. and Van Hijum, E. Discussion on: Incipient motion of coarse particles on a slope by regular or irregular waves. ASCE, Journal of WPC&OE, pp.338-339.
- 1994 Van der Meer, J.W. Conceptual design of berm breakwaters. Proc. Int. coastal symposium. Höfn, Iceland.
- 1992 Van der Meer, J.W. and Veldman, J.J. Berm breakwaters. Delft Hydraulics Publication number 470.
- 1992 Van der Meer, J.W. Stability of the seaward slope of berm breakwaters. Journal of Coastal Engineering, 16 (1992), pp. 205-234. Elsevier, Amsterdam.
- 1992 Van der Meer, J.W. and Veldman, J.J. Singular points at berm breakwaters: scale effects, rear, roundhead and longshore transport. Journal of Coastal Engineering, 17 (1992), pp. 153-171, Elsevier, Amsterdam.
- 1990 Van der Meer, J.W. Static and dynamic stability of loose materials. In: Coastal Protection, Pilarczyk (ed.), Balkema, Rotterdam. pp.157-195.

- 1988 Van der Meer, J.W. and Koster, M.J. Application of computational model on dynamic stability. Design of Breakwaters, Thomas Telford. Proc. Breakwaters '88 Conference, Eastbourne.
- 1987 Van der Meer, J.W. Application of computational model on berm breakwater design. Proc. "Berm breakwaters", ASCE, Seminar on Unconventional RubbleMound breakwaters, Ottawa.
- 1986 Van der Meer, J.W. and Pilarczyk, K.W. Dynamic stability of rock slopes and gravel beaches. ASCE, Proc. 20th ICCE, Taipei. Also Delft Hydraulics Publication No. 379.

e. Low-crested structures

- 1996 Van der Meer, J.W., Tutuarima, W.H. and Burger, G. Influence of rock shape and grading on stability of low-crested structures. ASCE, proc. 25th ICCE, Orlando, USA. pp. 1957-1970.
- 1995 Van der Meer, J.W. and Pilarczyk, K.W. Low-crested rubble mound structures. In: River, coastal and shoreline protections; Erosion control using riprap and armourstone. John Wiley & Sons, England. Edited by C.R. Thorne et al., Proc. Riprap workshop, Fort Collins, Colorado, USA, pp. 233-250.
- 1994 Van der Meer, J.W. and Daemen, I.F.R. Stability and wave transmission at low-crested rubble mound structures. ASCE, J. of WPC & OE, New York, Vol. 120, Jan/Feb. 1994, Paper No. 3527, pp. 1-19.
- 1991 Van der Meer, J.W. Stability and transmission at low-crested structures. Delft Hydraulics Publication No. 453.
- 1990 Van der Meer, J.W. and Pilarczyk, K.W. Stability of low-crested and reef breakwaters. Proc. 22th. ICCE, Delft.

f. Vertical structures

- 2015 Van Doorslaer, K., A. Romano, G. Bellotti, C. Altomare, I. Cáceres, J. De Rouck, L. Franco and J.W. van der Meer. Force measurements on storm walls due to overtopping waves: a middle-scale model experiment. ASCE, Proc. Coastal Structures, Boston.
- 2012 Van Doorslaer, K., J. De Rouck, K. Trouw, J.W. van der Meer and S. Schimmels. Wave forces on storm walls, small and large scale experiments. COPEDEC 2012, Chennai, India.
- 1996 Franco, C., van der Meer, J.W. and Franco, L. Multidirectional wave loads on vertical breakwaters. ASCE, proc. 25th ICCE, Orlando, USA. pp. 2008-2021.
- 1995 Van der Meer, J.W. and Franco, L. Vertical breakwaters. Delft Hydraulics Publications number 487.
- 1995 Franco, C., Franco, L., Passoni, G., Restano, C. and Van der Meer, J.W. The effect of wave obliquity and short-crestedness on the horizontal and uplift forces on caisson breakwaters. Final proceedings MCS-Project, Monolithic (vertical) coastal structures, Alderney Island, UK.
- 1995 Oumeraci, H., Hewson, P., Juhl, J. and Van der Meer, J.W. MCS-project. Multi-disciplinary research on monolithic coastal structures. Proc. second MAST Days and EUROMAR Market, Sorrento, Italy.
- 1994 Van der Meer, J.W., d'Angremond, K. and Juhl, J. Probabilistic calculations of wave forces on vertical structures. ASCE, proc. 24th ICCE, Kobe, Japan, pp. 1754-1767.
- 1992 Van der Meer, J.W., Juhl, J. and van Driel, G. Probabilistic calculations of wave forces on vertical structures. Proc. Final Workshop, MAST G6S Coastal Structures, Lisbon, Portugal.
- 1984 Van der Meer, J.W. and Benassai, E. Wave forces and impacts on a circular and square caisson. ASCE, Proc. 19th ICCE, Houston.

g. Toe structures

- 1995 Van der Meer, J.W., d'Angremond, K. and Gerding, E. Toe structure stability of rubble mound breakwaters. ICE, proc. Coastal Structures and Breakwaters '95, London.

4. Functional design of coastal structures

a. Wave overtopping and wave run-up

- 2023 Van der Meer, J.W., John Kiong, Eunice Chin, Yao Ming Yong, M. Klabbers, Junsheng Jiang, Hongjuan Han and R. Bing. Wave overtopping mitigation by a vertical wall or a wave return wall at the end of a pitched rock slope. Proc. ICE 2023, Portsmouth.
- 2023 Lashley, C.H., J.M. Brown, M.J. Yelland, J. W. van der Meer and T. Pullen. Comparison of deep-water-parameter-based wave overtopping with wirewall field measurements and social media reports at Crosby (UK). Coastal Engineering 179 (2023) 104241. <https://doi.org/10.1016/j.coastaleng.2022.104241>
- 2022 Van der Meer, J.W., G.J. Steendam, T. Bruce and M. Klein Breteler. Admissible post-wave overtopping flow for persons on a horizontal surface. JCHS, Vol. 2, 2022,14. DOI: <https://doi.org/10.48438/jchs.2022.0014>.
- 2022 Briganti, R., R.E. Musumi, J.W. van der Meer, A. Romano, L.M. Stancanelli, M. Kudella, R. Akbar, R. Mukhdar, C. Altomare, T. Suzuki, P. De Girolamo, G. Vesio, N. Dodd, F. Zhu and S. Schimmels. Wave overtopping at near-vertical seawalls: Influence of foreshore evolution during storms. Ocean Engineering 261 (2022). <https://doi.org/10.1016/j.oceaneng.2022.112024>
- 2022 Eldrup, M.R., T. Lykke Andersen, K. Van Doorslaer and J.W. van der Meer. Improved guidance on roughness and crest width in overtopping of rubble mound structures along EurOtop. Coastal Engineering 176 (2022) 104152. <https://doi.org/10.1016/j.coastaleng.2022.104152>.
- 2022 Lykke Andersen, T., M.R. Eldrup and J.W. van der Meer. Average overtopping discharge prediction for berm breakwaters. ASCE, Proc. ICCE 2022, Sydney.
- 2022 Eldrup, M.R., T. Lykke Andersen and J.W. van der Meer. The influence of a crown wall on wave overtopping over breakwaters. ASCE, Proc. ICCE 2022, Sydney
- 2022 Van der Spek, B.-J., E. Bijl, J.W. van der Meer, M. Streicher, P. Troch and P-Y Guillermin. Wave overtopping characteristics for a double vertical wall and the effect of parapets. ASCE, Proc. ICCE 2022, Sydney.
- 2021 Lashley, C.H., J.W. van der Meer, J.D. Bricker, C. Altomare, T. Suzuki and K. Hirayama. Formulating wave overtopping at vertical and sloping structures with shallow foreshores using deep-water wave characteristics. J. Waterway, Port, Coastal, Ocean Eng., 2021, 147(6): 04021036. DOI: 10.1061/(ASCE)WW.1943-5460.0000675.
- 2020 Oosterlo, P., B. Hofland, J.W. van der Meer, M. Overduin and G.J. Steendam. Field measurements of very oblique wave run-up and overtopping with laser scanners. ASCE, Proc. vICCE 2020.
- 2019 Van der Meer, J.W., J.W. Nieuwenhuis, G.J. Steendam, M.J.J. Reneerkens, H.J. Steetzel and G.Ph. van Vledder. Wave overtopping measurements at a real dike. Proc. ASCE, Coastal Structures 2019, Hannover.
- 2019 Vieira Leite, J.P., J.W. van der Meer, L. Franco, A. Romani, Y. Pepi, T. Bruce, L. Vieira Pinheiro and M. Menendez. Distribution of overtopping wave volumes caused by crossing seas. Proc. ASCE, Coastal Structures 2019, Hannover.
- 2019 Oosterlo, P., B. Hofland, J.W. van der Meer, M.J. Overduin, G.J. Steendam, J.W. Nieuwenhuis, G.Ph. van Vledder, H. Steetze7, M. Reneerkens. Measuring (oblique) wave run-up and overtopping with laser scanners. Proc. ASCE, Coastal Structures 2019, Hannover.
- 2019 Schoemaker, M., R. Zijlstra, J.W. van der Meer and K. VanDoorslaer. The influence of a berm and a wave wall at dikes on overtopping by oblique and breaking waves. Proc. ASCE, Coastal Structures 2019, Hannover.
- 2018 Briganti,R., R.E. Musumeci, J.W. van der Meer, A. Romano, L. M. Stancanelli, M. Kudella, R. Akbar, R. Mukhdar, C. Altomare, T. Suzuki0, P. De Girolamo, G. Mancini, G. Besio, N. Dodd and S. Schimmels. Large scale tests on foreshore evolution during storm sequences and the performance of a nearly vertical structure. Proc. ASCE, ICCE2018, Baltimore.
- 2017 Formentin, S.M., B. Zanuttigh and J.W. van der Meer. A neural network tool for predicting wave reflection, overtopping and transmission. Coastal Engineering Journal, Vol. 59, No. 1 (2017) 1750006. DOI: 10.1142/S0578563417500061.
- 2017 Formentin, S.M., B. Zanuttigh and J.W. van der Meer. The new EurOtop Neural Network tool for an improved prediction of wave overtopping. Proc. ICE Coasts, Marine Structures and Breakwaters, Liverpool, UK.

- 2016 Zanuttigh, B., S.M. Formentin and J.W. van der Meer. Prediction of extreme and tolerable wave overtopping discharges through an advanced neural network. *Ocean Engineering* 127 (2016) 7–22. <http://dx.doi.org/10.1016/j.oceaneng.2016.09.032>
- 2016 Van der Meer, J.W., N.W.H. Allsop, T. Bruce, J. De Rouck, T. Pullen, H. Schüttrumpf, P. Troch and B. Zanuttigh. Update of the EurOtop Manual: new insights on wave overtopping. ASCE, Proc. ICCE, Antalya, Turkey.
- 2016 Van Doorslaer, K., J. De Rouck and J.W. van der Meer. The reduction of wave overtopping by means of a storm wall. ASCE, Proc. ICCE, Antalya, Turkey.
- 2016 Zannutigh, B., S. Formentin and J.W. van der Meer. Update of the EurOtop Neural Network tool: improved prediction of wave overtopping. ASCE, Proc. ICCE, Antalya, Turkey.
- 2015 Zanuttigh, B., S.M. Formentin and J.W. van der Meer. An advanced and improved artificial neural network for the prediction of wave overtopping. ASCE, Proc. Coastal Structures, Boston.
- 2014 Van der Meer, J.W. and T. Bruce. New Physical Insights and Design Formulas on Wave Overtopping at Sloping and Vertical Structures. *Journal of Waterway, Port, Coastal, and Ocean Engineering*, ASCE, ISSN 0733-950X/04014025(18).
- 2014 Zanuttigh, B., S.M. Formentin and J.W. van der Meer. Advances in modelling wave-structure interaction through artificial neural networks. ASCE, Proc. ICCE 2014, Seoul, South Korea.
- 2014 Troch, P., J. Mollaert, S. Peelman, L. Victor, J.W. van der Meer, D. Gallach-Sánchez and A. Kortenhaus. Experimental study of overtopping performance for the cases of very steep slopes and vertical walls with very small freeboards. ASCE, Proc. ICCE 2014, Seoul, South Korea.
- 2014 Bornschein, A., R. Pohl, V. Wolf, H. Schüttrumpf, B. Scheres, P. Troch, J. Riha, J.W. van der Meer. Wave run-up and wave overtopping under very oblique wave attack (CornerDike-project). Proc. of the HYDRALAB IV Joint User Meeting, Lisbon, Portugal.
- 2014 Formentin, S.M., B. Zanuttigh, J.W. van der Meer and J. Lopez Lara. Overtopping flow characteristics at emerged and over-washed dikes. ASCE, Proc. ICCE 2014, Seoul, South Korea.
- 2013 Van der Meer, J.W., T. Bruce, N.W.H. Allsop, L. Franco, A. Kortenhaus, T. Pullen and H. Schüttrumpf. EurOtop revisited. Part 1: Sloping structures. Proc. ICE, Coasts, Marine Structures and Breakwaters 2013, Edinburgh, UK.
- 2013 Bruce, T., J.W. van der Meer, N.W.H. Allsop, L. Franco, A. Kortenhaus, T. Pullen and H. Schüttrumpf. EurOtop revisited. Part 2: Vertical structures. Proc. ICE, Coasts, Marine Structures and Breakwaters 2013, Edinburgh, UK.
- 2013 Zanuttigh, B., J.W. van der Meer, T. Bruce and S. Hughes. Statistical characterisation of extreme overtopping wave volumes. Proc ICE, Coasts, Marine Structures and Breakwaters 2013, Edinburgh, UK.
- 2012 Victor, L., J.W. van der Meer and P. Troch. Probability distribution of individual wave overtopping volumes for smooth impermeable steep slopes with low crest freeboards. *J. of Coastal Engineering*, 64 (2012) 87-101.
- 2010 Lorke, S., A. Brüning, J.W. van der Meer, H. Schüttrumpf, A. Bornschein, S. Gilli, R. Pohl, M. Spano, J. Riha, S. Werk and F. Schlütter. On the effect of current on wave run-up and wave overtopping. ASCE, Proc. ICCE 2010, Shanghai.
- 2009 Van der Meer, J.W., T. Pullen, N.W.H. Allsop, T. Bruce, H. Schüttrumpf and A. Kortenhaus. Prediction of Overtopping. Chapter 14 in *Handbook of Coastal and Ocean Engineering*, Y.C. Kim (Ed.). World Scientific and Imperial College Press. ISBN 978-981-281-929-1.
- 2009 Schüttrumpf, H., J.W. van der Meer, A. Kortenhaus, T. Bruce and L. Franco. Wave Run-Up and Wave Overtopping at Armored Rubble Slopes and Mounds. Chapter 15 in *Handbook of Coastal and Ocean Engineering*, Y.C. Kim (Ed.). World Scientific and Imperial College Press. ISBN 978-981-281-929-1.
- 2009 T. Bruce, J.W. van der Meer, T. Pullen and N.W.H. Allsop. Wave overtopping at Vertical and Steep Structures. Chapter 16 in *Handbook of Coastal and Ocean Engineering*, Y.C. Kim (Ed.). World Scientific and Imperial College Press. ISBN 978-981-281-929-1.
- 2009 Brüning, A., S. Gilli, S. Lorke, R. Pohl, F. Schlütter, M. Spano, J.W. van der Meer, S. Werk and H. Schüttrumpf. Flowdike; Investigating the effect of wind and current on wave run-up and wave overtopping. Proc. 4th SCACR, Barcelona, Spain.

- 2009 Van der Meer, J.W., H. Verhaeghe and G.J. Steendam. The new wave overtopping database for coastal structures. Special Issue of Journal of Coastal Engineering, 56 (2009) 108-120.
- 2009 Bruce, T., J.W. van der Meer, L. Franco and J.M. Pearson. Overtopping performance of different armour units for rubble mound breakwaters. Special Issue of Journal of Coastal Engineering, 56 (2009) 166-179.
- 2008 Verhaeghe, H., J. de Rouck and J.W. van der Meer. Combined classifier-quantifier model: A 2-phases neural model for prediction of wave overtopping at coastal structures. Journal of Coastal Engineering 55 (2008) 357-374.
- 2008 Bruce, T. and J.W. van der Meer. Integrated prediction tools for wave overtopping at vertical structures. ASCE, Proc. ICCE 2008, Hamburg, pp. 3110-3119.
- 2008 Pullen, T., N.W.H. Allsop, T. Bruce, A. Kortenhaus, H. Schüttrumpf and J.W. van der Meer. EurOtop – overtopping and methods for assessing discharge. Proc. FloodRisk, Oxford, UK. Flood Risk Management: Research and Practice – Samuels et al. (eds.) ISBN 978-0-415-48507-4; pp 555-560.
- 2008 Bosman, G., J.W. van der Meer, G. Hoffmans, H. Schüttrumpf and H.J. Verhagen. Individual overtopping events at dikes. ASCE, Proc. ICCE 2008, Hamburg, pp. 2944-2956.
- 2008 Allsop, N.W.H., T. Pullen, J.W. van der Meer, H. Schüttrumpf and A. Kortenhaus. Improvements in wave overtopping analysis: the EurOtop overtopping manual and calculation tool. Proc. COPEDEC VII, Dubai, UAE.
- 2006 Van der Meer, J.W. Applications of a neural network to predict wave overtopping at coastal structures. Keynote paper at 7th Int. Congress on Advances in Civil Engineering, Istanbul, Turkey, pp. 1 -10.
- 2006 Bruce, T., J.W. van der Meer, L. Franco and J. Pearson. A comparison of overtopping performance of different rubble mound breakwater armour. ASCE, ICCE 2006, San Diego. pp. 4567 - 4579.
- 2005 Regeling, H.J., J.W. van der Meer, R. 't Hart and T. Bruce. Overtopping on rock berm with smooth upper slope. Proc. Second International Coastal Symposium, Höfn, Iceland.
- 2005 Van der Meer, M.R.A. van Gent, B. Pozueta, H. Verhaeghe, G.-J. Steendam, J.R. Medina. Applications of a neural network to predict wave overtopping at coastal structures. ICE, Coastlines, Structures and Breakwaters, London, pp. 259 - 268.
- 2004 G.J. Steendam, J.W. van der Meer, H. Verhaeghe, P. Besley; L. Franco; M.R.A. van Gent. The international database on wave overtopping. ASCE, ICCE 2004, Lisbon, pp. 4301 - 4313.
- 2004 Pearson, J., T. Bruce, N.W.H. Allsop, A. Kortenhaus and J.W. van der Meer. Effectiveness of recurve wave walls in reducing wave overtopping on seawalls and breakwaters. ASCE, ICCE 2004, Lisbon, pp. 4404 - 4416.
- 2003 Verhaeghe, H., J.W. van der Meer, G.-J. Steendam, P. Besley, L. Franco and M.R.A. van Gent. Wave overtopping database as the starting point for a neural network prediction method. ASCE, Proc. Coastal Structures 2003, Portland, Oregon, pp. 418 - 430.
- 2003 Kortenhaus, A., J. Pearson, T. Bruce, N.W.H. Allsop and J.W. van der Meer. Influence of parapets and recurves on wave overtopping and wave loading of complex vertical walls. ASCE, Proc. Coastal Structures 2003, Portland, Oregon.
- 2002 De Rouck, J., J.W. van der Meer, N.W.H. Allsop, L. Franco and H. Verhaeghe. Wave overtopping at coastal structures: development of a database towards up-graded prediction methods. Proc. ASCE, 28th ICCE, Cardiff, UK, pp. 2140-2152.
- 2000 Mendez Lorenzo, A.B., Van der Meer, J.W. and Hawkes, P.J. Effects of bi-modal waves on overtopping: application of UK and Dutch prediction methods. ASCE, proc. 27th ICCE, Sydney, Australia.
- 1998 Van der Meer, J.W. Wave run-up and overtopping. Chapter 8 in: "Seawalls, dikes and revetments." Edited by K.W. Pilarczyk. Balkema, Rotterdam.
- 1996 De Waal, J.P., Tönjes, P. and van der Meer, J.W. Wave overtopping of vertical structures including wind effect. ASCE, proc. 25th ICCE, Orlando, USA. pp. 2216-2229.
- 1995 Franco, C., Franco, L., Restano, C. and Van der Meer, J.W. The effect of wave obliquity and shortcrestedness on the overtopping rate and volume distribution on caisson breakwaters. Final proceedings MCS-Project, Monolithic (vertical) coastal structures, Alderney Island, UK.

- 1995 Franco, L., De Gerloni, M. and Van der Meer, J.W. Wave overtopping on vertical and composite breakwaters. Final proceedings MCS-Project, Monolithic (vertical) coastal structures, Alderney Island, UK.
- 1994 Franco, L., de Gerloni, M. and van der Meer, J.W. Wave overtopping on vertical and composite breakwaters. ASCE, proc. 24th ICCE, Kobe, Japan, pp. 1030-1045.
- 1994 Smith, G.M., Seyffert, J.W. and van der Meer, J.W. Erosion and overtopping of a grass dike, Large scale model testing. ASCE, proc. 24th ICCE, Kobe, Japan, pp. 2639-2652.
- 1994 Van der Meer, J.W. and Janssen, J.P.F.M. Wave run-up and wave overtopping at dikes. ASCE. In: Wave forces on inclined and vertical wall structures, ed. N. Kobayashi and Z. Demirbilek, pp. 1-27. Also Delft Hydraulics Publication number 485.
- 1992 De Waal, J.P. and van der Meer, J.W. Wave run-up and overtopping on coastal structures. ASCE, proc. 23rd ICCE, Venice, Italy, pp. 1758-1771.
- 1992 Van der Meer, J.W. and Stam, C.J.M. Wave runup on smooth and rock slopes. ASCE, Journal of WPC and OE, Vol. 188, No. 5, pp. 534-550, New York. Also Delft Hydraulics Publication No. 454.

b. Wave transmission

- 2017 Formentin, S.M., B. Zanuttigh and J.W. van der Meer. A neural network tool for predicting wave reflection, overtopping and transmission. Coastal Engineering Journal, Vol. 59, No. 1 (2017) 1750006. DOI: 10.1142/S0578563417500061.
- 2006 Van der Meer, J.W. Wave transmission at low-crested structures, including oblique wave attack. Keynote paper at 7th Int. Congress on Advances in Civil Engineering, Istanbul, Turkey, pp. 12 – 22.
- 2006 Van Oosten, R., J. Peixó Marco, J.W. van der Meer and H.J. Verhagen. Wave transmission at low-crested structures using neural networks. ASCE, ICCE 2006, San Diego, pp. 4932 - 4944.
- 2005 Van der Meer, J.W., R. Briganti, B. Zanuttigh and B. Wang. Wave transmission and reflection at low-crested structures: Design formulae, oblique wave attack and spectral change. Special Issue of Journal of Coastal Engineering, Elsevier, 52 (2005) 915 – 929.
- 2005 Kramer, M., B. Zanuttigh, J.W. van der Meer, C. Vidal and F.X. Gironella. Laboratory experiments on low-crested breakwaters. Special Issue of Journal of Coastal Engineering, Elsevier, 52 (2005) 867 – 886.
- 2004 Van der Meer, J.W., R. Briganti, B. Wang and B. Zanuttigh. Wave transmission at low-crested structures, including oblique wave attack. ASCE, ICCE 2004, Lisbon pp. 4152 - 4164.
- 2003 Van der Meer, J.W., B. Wang, A. Wolters, B. Zanuttigh and M. Kramer. Oblique wave transmission over low-crested structures. ASCE, Proc. Coastal Structures 2003, Portland, Oregon, pp. 567 – 579.
- 2003 Briganti, R., J.W. van der Meer, M. Buccini and M. Calabrese. Wave transmission behind low-crested structures. ASCE, Proc. Coastal Structures 2003, Portland, Oregon, pp. 580 – 592.
- 2003 Panizzo, A., R. Briganti, J.W. van der Meer and L. Franco. Analysis of wave transmission behind low-crested structures using neural networks. ASCE, Proc. Coastal Structures 2003, Portland, Oregon, pp. 555 - 566.
- 2000 Van der Meer, J.W., Regeling, H.J. and De Waal, J.P. Wave transmission: spectral changes and its effects on run-up and overtopping. ASCE, proc. 27th ICCE, Sydney, Australia.
- 1996 d'Angremond, K., van der Meer, J.W. and de Jong, R.J. Wave transmission at lowcrested structures. ASCE, proc. 25th ICCE, Orlando, USA. pp. 2418-2427.
- 1991 Van der Meer, J.W. and d'Angremond, K. Wave transmission at low crested structures. In Coastal Structures and Breakwaters, ICE, London, pp. 25-42.

c. Wave reflection

- 2017 Formentin, S.M., B. Zanuttigh and J.W. van der Meer. A neural network tool for predicting wave reflection, overtopping and transmission. *Coastal Engineering Journal*, Vol. 59, No. 1 (2017) 1750006. DOI: 10.1142/S0578563417500061.
- 2008 Zanuttigh, B and J.W. van der Meer. Wave reflection from coastal structures in design conditions. *Journal of Coastal Engineering*, Elsevier, 55 (2008) 771-779.
- 2008 Zanuttigh, B. and J.W. van der Meer. Analysis of wave reflection from structures with berms through an extensive database and 2DV numerical modelling. ASCE, Proc. ICCE 2008, Hamburg, pp. 3285-3297.
- 2007 Zanuttigh, B. and J.W. van der Meer. Wave reflection for composite slopes and oblique waves. Proc. Coastal Structures, Venice, Italy.
- 2006 Zanuttigh, B. and J.W. van der Meer. Wave reflection from coastal structures. ASCE, ICCE 2006, San Diego. pp. 4337-4349.
- 2005 Wang, B., J.W. van der Meer, A.K. Otta, A.J. Chadwick and J. Horrillo-Caraballo. Reflection of Obliquely Incident Waves at Low-crested Structures. Proc. Coastal Dynamics.

5. Other subjects

- 1994 Van der Meer, J.W. Breakwaters and coast defences. Numerical modelling of wave/structure interaction. Technical note 634, Proc. Instn. Civ. Engrs. Water, Maritime and Energy, 106, Dec. pp. 359-362, London.
- 1992 Andersen, O.H., Van Gent, M.R.A., Van der Meer, J.W., Burcharth H.F. and Den Adel, H. Non-steady oscillatory flow in coarse granular materials. Proc. Final workshop, MAST G6S Coastal Structures, Lisbon, Portugal.
- 1992 Van der Meer, J.W., Petit, H.A.H., Van den Bosch, P., Klopman, G. and Broekens, R.D. Numerical simulation of wave motion on and in coastal structures. ASCE, Proc. 23rd ICCE, Venice, Italy, pp. 1772-1784.
- 1990 Van der Meer, J.W. and Klein Breteler, M. Measurement and computation of wave induced velocities on a smooth slope. ASCE, Proc. 22th ICCE, Delft.
- 1989 Van der Meer, J.W. Measurement and analysis of directional seas in a basin. Proc. 23rd IAHR Congress, Ottawa.
- 1988 Hölscher, P., de Groot, M.B. and Van der Meer, J.W. Simulation of Internal Water Movement in Breakwaters. Modelling SoilWaterStructure Interactions, Kolkman et al., Editors Balkema, Rotterdam.