

**Curriculum Vitae**

Date: October 2012

Name	Romke Bijker	Nationality	Dutch
Profession	Consulting Engineer	Year of birth	1953
Name of firm	ACRB Advanced Consultancy Romke Bijker bv	Years of experience	32

**Key qualifications**

Romke Bijker is an offshore and coastal morphologist with 30 year experience. The emphasis is on (A) specialist engineering on pipeline/cable seabed interaction, (B) specialist Environmental Impact Assessments and (C) quality assurance, project reviews and forensic engineering. The complex interaction between pipelines/cables and the dynamic seabed, especially related to landfalls, sand waves, span evolution, self-lowering and other dynamic seabed features, is his prime area of expertise. He worked on many pipeline and cable EIA projects dealing with ecological sensitive and technically demanding issues in Germany, the United Kingdom, The Netherlands and Finland. From 2008 he supports the Finnish and Espoo environmental permitting and monitoring process of the Nord Stream pipelines, including sediment and contaminants spreading, fisheries and munitions clearance. As project manager he was responsible for the EIA of the BBL project from 2004 to 2006, the EIA of Noors-gas from 2006 to 2007 and since 2009 participates in the BBL offshore Pipeline Integrity Management Team. His approach to the performance of EIA's includes dedicated stakeholder engagement to improve the quality of projects.

Besides giving annual lectures on technical and environmental issues related to pipeline and cables to the Universities of Delft and Groningen, Mr. Bijker has been involved in several forensic engineering issues such as the impact of gas extraction induced subsidence on the coastal environment and coastal safety of Ravenna, Italy, issues of hydraulic modelling related to tanker moorings in Singapore, a dredging project in the UK, and several cable failure issues.

**Education**

M.Sc. degree Civil Engineering, Delft University of Technology, 1979.

Additional courses

- Post-academic course Port Planning, Delft University of Technology, 1981;
- Project management, Delft Hydraulics, 1994;

**Employment Record**

2001- date (11) ACRB, Independent consultant;

1996-2001 (5) Alkyon Hydraulic Consultancy & Research bv, General Director;

1985-1996 (11) Delft Hydraulics, Manager Offshore Activities and Senior Project Manager;

1979-1985 (6) Witteveen+Bos Consulting Engineers, Project Engineer, Resident Engineer (Indonesia);

1976 Adriaan Volker Dredging Company, Trainee in Jubail, Saudi Arabia.

**Membership of professional societies**

- Board member of the Dutch Maritime Research and Consultancy Association, BMOC.
- Member of the Central European Dredging Association (CEDA);
- Member of Royal Dutch Society of Engineers (KIVI), sections Offshore Technology and Marine Technology;

**Membership of scientific committees**

- Member of the User Group of STW Research Project 'Transient Dynamics in the Morphology of Coastal Seas', University of Twente, 2007 – 2010;
- Member of the User Group of STW Research Project 'Modelling of Spatial and Temporal Variations in Offshore Sand waves; Process-oriented vs Stochastic approach, University of Twente, 2003 – 2008;

- Member of the User Group of PhD Research Project 'Interaction of Human Intervention and Seabed Morphodynamics, University of Twente, 2000-2004;
- Member of the User Group of STW Research Project 'Modelling of Sand Waves in Shelf Seas, University of Twente, 1999 – 2002.

## Experience record

- 2012 - date Risk Based Burial Design studies for number of existing offshore pipelines for several pipeline operators on the **North Sea** and in the **Dutch Waddenzee**. For Gassco, Vermilion, NGT/GDF-Suez, Gasunie.
- 2012 - date Permitting and ESIA support related to South Stream Transport offshore project; four parallel gas pipelines from **Russia to Bulgaria**. Leading the permitting support teams in Bulgaria and Turkey. For INTECSEA for South Stream Transport AG.
- 2012 - date Contributing to the feasibility study for NEXT (Nord Stream EXTension) pipelines, being pipeline 3+4 from **Russia to Germany**. For Nord Stream AG.
- 2011 - date Burial Assessment Studies for several submarine High Voltage cable systems (DC and AC) to connect Offshore Wind Farm sub-stations to the main land **Germany**. For TenneT.
- 2009 - date Study and advice on mitigation and future management of the NorNed HVDC power cable from Norway to **The Netherlands**. Including Risk Based Burial Assessment. For energy company.
- 2009 - date Project coordinator of the EIA for the deepening of the fairway 'Boontjes' in the ecological sensitive Waddenzee in **The Netherlands**, including stakeholder engagement process. For regional and national authorities.
- 2009 - date Advice on pipeline integrity management as performed since 2006 and as should be performed in future for the BBL pipeline, running from **The Netherlands** to the **United Kingdom**. Specifically related to potential freespan development in the dynamic sand wave area. Recommending and specifying remediation measures. For BBL Company.
- 2007 - date Advisory services for technical and EIA issues for the Nord Stream pipelines, two large diameter gas transport pipelines from Vyborg, **Russia** to Greifswald, **Germany** crossing the Baltic Sea. Jointly with Witteveen+Bos for Nord Stream. On behalf of the client coordinating the **Finnish** EIA. Including sediment and contaminant spreading assessment, fisheries-pipeline interaction and munitions clearance impact assessment and monitoring.
- 2007 - date Study and advice to mitigate exposed and free spanning sections of the 42" gas pipeline crossing tidal estuary between Germany and **The Netherlands**. For Gasunie.
- 2006 - date Design of exposure rectification method for the Zuidwal gas pipeline using sand and gravel instead of rock, **The Netherlands**. Monitoring and advice on potential mitigating measures in case of exposed sections. For oil company.
- 2004 - date Annual guest lecturer 'Design aspects of submerged protection systems of offshore infrastructure' at the Delft University of Technology, Faculty of Civil Engineering, **The Netherlands**.

- 2001 - date Annual guest lecturer at the Hanze Hogeschool Groningen, **The Netherlands**, on 'potentials and pitfalls of numerical modelling' for harbour, coast and offshore engineering.
- 1989 - date Many studies on the prediction of the self-lowering of submarine pipelines in the seabed to increase stability and protection. Including plain pipelines as well as pipelines fitted with spoilers (vertical fins) and/or piggy backs. Including crossing active sand wave areas. For major oil companies and offshore contractors. For clients and projects in the **USA, Australia, China, United Kingdom, Norway, Germany, France, Canada, and The Netherlands**.
- 1987 - date Many studies on natural backfilling of shipping channels, pipeline trenches and intake and outfall trenches, to optimise dredging depth and installation methods. In the **United Kingdom, Belgium, Germany, Kazakhstan, The Netherlands and Greece**. For oil and gas companies, contractors and consultants.
- 1986 - date Numerous projects with respect to the stability of submarine pipelines. Including the design of protection and stability systems, like rock cover, mattresses etc. Development of various design methods including probabilistic and deterministic approach. For all major oil- and gas companies, many contractors and offshore engineering firms in the **United Kingdom, Norway, Germany, France, Canada, Russia, China, Australia and The Netherlands**.
- 2011 Design review and adjustments to pipeline rock-berms to assure berm and pipeline integrity in crossing of dynamic riverbed of Rio Negro near Manaus, **Brazil**. For Oil company and Consultant.
- 2011 Support to COBRA HVDC cable from **Denmark** to **The Netherlands**. For TenneT.
- 2011 Design review and adjustments to pipeline rock-berms to assure berm and pipeline integrity during sand wave migration in **Brazil**. For Oil company, Consultant and Contractor.
- 2011 Assessment of sedimentation and coastal impact of new marina near Goa, **India**. For consulting engineer ADK, Greece.
- 2011 Advice related to nearshore pipeline seabed interaction of transport pipeline from Shtokman field to shore in **Russia**. For consultant.
- 2011 Detailed route optimisation 30 km pipeline and umbilical in **Vietnam** through deep water dynamic sand wave area. For consultant and oil company.
- 2010 - 2011 Risk Based Burial Design, analysis and recommendation of the optimum burial depth of the HVDC cable from **The Netherlands** to the **United Kingdom** related to marine hazards (more specifically erroneous anchoring near and within shipping lanes and near anchoring areas) and seabed dynamics such as sand waves. For contractor and cable owner.
- 2010 Support and advice related to maintenance issues of the Amalia Offshore Wind Park in **The Netherlands**. For cable owners and contractors.
- 2010 Support and advice on coastal erosion issue related to extension of mooring jetties in **Greece**. For consultant ADK.
- 2009 - 2010 Support and advice related to the assessment of the environmental impact of currents and waves (the natural conditions) in comparison with beam trawling (human activities) in the southern nearshore area of **The Netherlands** (Voor-delta). For the Rotterdam Port Authority.

- 2008 - 2009 Advice on the free spanning and exposed water pipeline to Texel, the biggest of the Dutch Wadden isles of **The Netherlands**. Study on future operation and maintenance of two water pipelines.
- 2008 - 2009 Study and advice on the present condition and future operation and maintenance of the gas pipelines to Schiermonnikoog, one of the Dutch Wadden isles, **The Netherlands**.
- 2008 Study and advice on free spanning pipelines and scouring issues on a subsea field development in Campos Basin, **Brazil**. For oil company.
- 2008 - 2009 Design of specific pipeline protection against extreme current velocities (~5 m/s) at deep water (400 m) against turbidity currents. Performed extensive risk assessment of pipeline failure due to unwanted seabed-pipeline interaction resulting from these turbidity currents. For oil company. **Philippines**.
- 2008 - 2009 Domain expert on submarine pipeline issues for Oil and Natural Gas Corporation of **India**.
- 2007 - 2008 Study of five gas pipelines from the Dutch mainland to the Wadden-islands, to reduce the maintenance cost. All pipelines are within the ecological sensitive nature reserve 'Waddenzee', in **The Netherlands**. For Gasunie.
- 2007 - 2008 Study of potential mitigation measures for two pipelines near Terra del Fuego in **Argentina**, which have too long free spans. For oil company.
- 2006 - 2007 Study of the impact of deepening a natural channel in the Waddenzee, **The Netherlands**, 'Boontjes', including (1) the natural sedimentation as function of dredging depth, channel width and time and (2) the impact on the large and small scale morphology of the area. The Waddenzee is a protected Natura 2000 area calling for extreme careful approach.
- 2006 - 2007 Study of the potential impact of gas extraction induced subsidence in the Adriatic Sea on the coastal safety of the area of Pesaro, **Italy**.
- 2006 - 2007 Environmental Impact Assessment and supporting technical studies for the new 900 km long, 42" gas pipeline from **Norway** to **The Netherlands** or **Belgium**. Project Manager on behalf of Witteveen+Bos. Including extensive stakeholder engineering issues related to the onshore gas receiving station. For Statoil and Gasunie.
- 2006 - 2007 Self-lowering predictions, allowable free span assessments and nautical safety study for Shamrock-Corvette in the **United Kingdom** and L09 pipelines in **The Netherlands**. For Shell.
- 2006 Assessment of regeneration of sand waves after peak-shaving for cable installation in **Dutch** waters. For Consultant.
- 2005 - 2007 Coast and sea aspects of the EIA of several offshore wind parks on the south, central and east **Dutch** Continental Shelf. Including the prediction of the length of cable exposure as function of initial burial depth and time after installation.
- 2006 - 2007 Sediment transport, liquefaction, pipeline scouring and stability issues of the East Java Gas Transport Pipeline Span rectification project, **Indonesia**. For Consultant.
- 2003 - 2006 Environmental Impact Assessment and supporting technical studies for the new 240 km long, 36" Balgzand-Bacton gas pipeline from **The Netherlands** to the **United Kingdom**. Project manager on behalf of Witteveen+Bos, with sub-
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- consultants Mott MacDonald and Delft Hydraulics. For Gasunie, The Netherlands. Transboundary EIA with effective merging of EIA and engineering process. The work involves (amongst others) (1) detailed CFD modelling of forces and vortex frequencies as input for VIV assessment, (2) extensive sand wave mobility assessment to optimise the initial peak-shaving profile and post-trenching activities to minimise future risk and maintenance cost.
- 2001 - 2007 Annual evaluation of the burial depth of Europipe 1&2 including the assessment of potential remedial measures in case of exposures within the tidal inlet in **Germany**. Based on a morpho-stochastic analysis, the probability of exposure being assessed for various sections of the landfall with the objective to minimise the survey cost. For Statoil.
- 2001 - 2006 Specialist engineering advice for the design of artificial drilling and exploration islands in the North East Caspian Sea in **Kazakhstan**, including harbour design in ice conditions, impact assessment of dredging in vulnerable areas, determination of the critical conditions of special lifeboats. For consultant.
- 2005 - 2006 Review of UK State-Aid proposal for a large deep-water offshore wind demonstration project. For Commission of the European Union, **Belgium**.
- 2005 Design of span rectification method for the NGT pipeline using sand instead of rock. For oil company, **The Netherlands**.
- 2005 Update of the burial depth and the installation strategy for HVDC power cable from **Norway to The Netherlands**, NorNed, in the extremely dynamic and ecological sensitive Dutch and German Wadden Sea. For Statnett and TenneT.
- 2005 Feasibility assessment of stability and potential VIV suppression by means of two parallel rockberms alongside future offshore pipeline in harsh conditions on south coast of **Australia**. For offshore contractor.
- 2005 Expert assistance in Ocean Energy research proposal evaluation for FP6-2004-TREN-3. For Commission of the European Union, **Belgium**.
- 2005 Self-lowering study, sand wave mobility assessment and pipeline failure probability assessment (due to sand wave mobility and fishing activities) of the De Ruyter pipeline on the Dutch Continental Shelf, **The Netherlands**. For Contractor and its Consultant.
- 2004 Assessment of alternative burial systems for the Otway gas pipeline to avoid trenching and dredging in ecological sensitive area on the South coast of **Australia**. Study included a hindcast of the self-lowering behaviour of the Minerva pipeline bundle. For Woodside.
- 2004 Assessment of the probability of failure of the BritNed HVDC cable (crossing the North Sea from **The Netherlands to United Kingdom**) due to fishing, anchoring and seabed mobility; an EIA supporting study. For Metoc Consulting Engineers, UK.
- 2004 Impact assessment of shipping channel extension on coastal environment in Igoumenitsa, **Greece**. For ADK Consulting Engineers, Greece.
- 2003 - 2004 Several feasibility studies for stimulated self-lowering of pipelines in difficult current and soil conditions in **China**, including Pinggu, Chunxiao and Aoshan.
- 2002 - 2004 Self-lowering studies for three parallel 50 km long offshore pipelines (10" naphtha, 28" and 30" crude oil pipelines) crossing Hangzhou Bay in **China**. All three pipelines were fitted with spoilers to enhance the self-lowering process in
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- the extreme environmental environment of Hangzhou Bay: extreme currents and complex sediment characteristics. During a site visit in 2003, the successful self-lowering was confirmed. For SPS Inc. and Sinopec.
- 2003 Environmental Statement for the repair activities of a damaged 4" line in **United Kingdom** waters. These activities included the application of mattresses with fronds. For Shell.
- 2003 Chairing a seminar on the issue of reliable, smooth and safe inland water transport, with the **Dutch** authorities (national, regional and local) and shipping representatives. For the ministry of Transport and Public Works.
- 2002 - 2003 Preparation of specification for dedicated soil investigation for self-lowering and sand wave assessment for new 80 km Cleaver Bank High pipeline in the **UK** sector. Study on effectiveness of spoiled pipelines. Assessment of sand wave migration on the basis of satellite images. For Shell Expro.
- 1998 - 2002 Several studies about offshore wind parks with respect to bottom protection, cable installation, sand wave interaction, coastal safety, landfall and environmental impact issues. The studies included feasibility studies of the **Dutch** 100 MW pilot project (the Near Shore Park), another **Dutch** and a **German** park.
- 1996 - 2001 General Director of Alkyon Hydraulic Consultancy & Research, **The Netherlands**.
- Business development, human resource management, development and implementation of certified quality and management system. Project advisor, project manager and quality controller of many projects.
  - In co-operation with other firms and the National Aeronautical Laboratory, set up and development of the Geomatics Business Park.
- 2000 - 2001 Project manager and advisor of several studies with respect tot the design of scour protection systems for cooling water intake structures in **Mexico**. For contractor.
- 2001 Project advisor for a study on the design of the Dongfang gas pipeline through a sand wave area in the South **China** Sea. Including evaluation of burial depth and dredging alternatives. For CNOOC.
- 2000 Project advisor for the design of the scour protection system of the Hanze platform. On the **Dutch** continental shelf. For contractor.
- 2000 Project advisor in a study on pipeline-seabed interaction of the Ekofisk Bypass pipeline in the **North Sea** with specific problems associated with the subsidence of Ekofisk. For Statoil.
- 2000 Environmental Impact Assessment supporting studies for a new telecom cable crossing the **Dutch** Waddensea. For Dutch telecom company.
- 1999 - 2000 Research study on the development of numerical tools for predictions of pipeline seabed interaction and free span development in in-homogeneous seabed. Calibration and verification of pipeline/seabed interaction model PIPESIN to assess the development of free spans on the basis of extensive field data from two large diameter pipelines in the **North Sea**. For Statoil.
- 1998 - 1999 Environmental Impact Assessment support studies for the remedial measures to stabilise two exposed pipelines making landfall on an ecological sensitive coast in the **United Kingdom**. For BP and authorities.

- 1999 Design and constructing of an engineering and management tool with respect to abandoned pipelines to be abandoned, on the basis of pipe/seabed interaction models. To support engineering and management decisions of the **Dutch** authorities. For Directorate North Sea of Rijkswaterstaat, ministry of Transport and Public Works.
- 1997 Impact assessment of a very long dam (tens of km's), located perpendicular to the coast of **The Netherlands**, on the tidal wave propagation in the southern North Sea and coastal dynamics with the purpose to generate tidal energy. For NOVEM.
- 1997 Risk based burial assessment of the HVDC EuroKabel from Norway via the Elbe estuary to Brunsbuttelkoog, **Germany**, including various EIA supporting studies. For Eurokabel/Statnett.
- 1996 - 1998 Preparation of Morphological Design Basis for the HVDC NorNed power cable from Norway making landfall on the Dutch Wadden coast. Risk-based burial assessment of the cable landfall at Eemshaven, Lauwersoog and Callantsoog, **The Netherlands**, as part of the EIA study. Including a turbidity assessment due to installation and dredging works. For Statnett and N.V. SEP.
- 1996 - 1997 Member of the EIA committee, on behalf of the Dutch authorities, for the improvement scheme for Lac Sud in **Tunisia**. Including dredging, water- and soil quality aspects.
- 1996 Simulation of pipeline-seabed interaction of large diameter pipelines in sand wave area and development of guidelines for the design and maintenance of pipelines in sand waves. Including calibration with field data. For **Dutch** authorities.
- 1991 - 1995 Project Manager of hydrodynamic and morphological studies for the design, installation, EIA and monitoring of Europipe, a 42 inch gas pipeline from **Norway to Germany**, through the ecological sensitive Waddensea. For Statoil.
- Feasibility and routing studies along the German and Dutch coasts;
  - Development of the design basis (waves, currents etc.), on the basis of extensive current, wave and morphodynamic modelling;
  - On line prediction of wave conditions during installation;
  - Environmental Impact Assessment supporting studies, including dredging turbidity prediction and impact on mudflat and coastline development;
  - Determination of the optimum burial depth of the pipelines to maximise safety and minimise the environmental impact;
  - First application of the combination of airborne remote sensing technology with traditional hydrographic surveying for the pre- and post dredging surveys;
  - Baseline and 3 year field monitoring program of waves, currents, turbidities and morphology to establish the environmental impact of the installation of Europipe;
  - Assessment of impact on water quality due to hydrotesting of Europipe.
- 1994 Design conditions and various design aspects of a cooling water intake for the Ras Tanura refinery, **Saudi Arabia**. For consultant.
- 1991 Scour protection and ballast stability for the F3 Gravity Base Structure on the **Dutch** continental shelf. Physical scale model tests and desk study. For contractor.
- 1989 - 1990 Project manager of the Zeepipe verification study, including self-lowering prediction, sand wave analysis and seabed preparation. Scour induced free span study to assess the development of free spans after installation. Zeepipe was the first long (700 km) and large diameter (42 inch) pipeline from **Norway**
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- making landfall in **Belgium**. For Statoil.
- 1986 - 1989 Project management of the Joint Industry Project Pipeline/Cable burial in joint venture with Danish Hydraulic Institute. The project resulted in 2D and 3D self-lowering prediction models. For oil and gas companies, a telecom company and authorities. **Denmark and The Netherlands**.
- 1988 Project manager of the preparation of daily weather and current forecast for the Dutch sailing team during the Olympic Games in Pusan, **Korea**.
- 1986 Expert witness for morphological and dredging aspects in the arbitration of the Sand Bay Sea Defence Scheme in the **United Kingdom**.
- 1985 - 1986 Design criteria and tender documents for construction of an offshore valve station on an artificial island in F3 pipeline near the **Dutch** coast. For NAM.
- 1983 - 1986 Design of works related to the Second Loading Dock at Bontang, **Indonesia**:  
- location study;  
- nautical study with simulator;  
- cooling water re-circulation study;  
- preparation of tender documents for dredging of access channel and turning basin for the Second Dock, and reclamation of LPG process area and tankfarm;  
- determination of dredging tolerances for under keel clearance analysis.  
For Pertamina.
- 1982 - 1984 Resident Engineer for the dredging of the shipping channel at Bontang, **Indonesia**. Three million cubic metres, most coral and stiff clay, with two cutter-suction dredgers and one trailer suction hopper-dredger. For Pertamina and Huffco Oil.
- 1981 - 1982 Coastal engineering, dredging and nautical aspects of the design of several jetties on the Moluccas, **Indonesia**.
- 1981 Study on maintenance dredging and hydrographic surveying for Cork Harbour, **Ireland**. Technical and economical review of the present dredging and hydrographic activities, and recommendations for improvements.
- 1980 - 1981 Engineering aspects, including soil mechanics, dredging and positioning, of the salvage operation of the cruise-ship Leonardo da Vinci in La Spezia, **Italy**. For Smit International.
- 1980 - 1981 Coastal and dredging aspects of the design of a new harbour at Pulau Bay, Bengkulu, Sumatra, **Indonesia**.
- 1980 Studies on the fluid mechanical aspects of combined sewer overflow regulator in **The Netherlands**.
- 1979 - 1982 Dredging under and around the Immingham Bulk Terminal, **United Kingdom**. Management, supervision and dredging engineering. Study of the siltation and supervision of maintenance dredging in Sunk Channel in the Humber estuary, and preparation and application of a computer program for the prediction of the permissible draft of ships bound for the Immingham ore terminal.
- 1979 Design of the breakwater and harbour entrance layout of the harbour of Sas van Goes in **The Netherlands**.
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## Languages

	<b>speaking</b>	<b>reading</b>	<b>writing</b>
English	excellent	excellent	excellent
German	adequate	adequate	poor
Dutch	mother tongue		

## Publications

- 2011 Bijker, R., Boersma, H.A., **Sand waves and Sabellaria, Part 2, Balgzand-Bacton Pipeline (BBL): Four years cross border technical and environmental challenges**, OPT 2011, Amsterdam.
- 2007 Smale, A.J., Bijker, R. and Klopman, G., **Prediction of sand wave migration with a non-linear spectral model**. River, Coastal and Estuarine Morphodynamics, RCEM 2007.
- 2007 Bijker, R., Linden, F.A. van der, Nowack, G., **Sand Waves and Sabellaria Balgzand-Bacton Pipeline, Cross border Environmental Challenges**, OPT 2007, Amsterdam.
- 2005 Barends, F., De Groot, M., Knoeff, H., Kruse, G., Pecker, A., Bijker, R. and Scheffer, B., **Environmental effects of land subsidence induced by gas withdrawal and remedial measures along the Ravenna coast**. Seventh Int. Symposium on Land Subsidence, Shanghai, SISOLS 2005.
- 2005 Smale, A.S. and Bijker, R., **Wave crest elevation; Application in the design process of elevated process barges in the North-East Caspian Sea**. Presented at the ISSH conference in Nijmegen, The Netherlands in May 2005.
- 2003 Morelissen, R., Hulscher, S.J.M.H., Knaapen, M.A.F., Németh, A.A. and Bijker, R., **Mathematical modelling of sand wave migration and the interaction with pipelines**, Coastal Engineering 48 (2003) 197-209.
- 2002 Chen, Z., Venturi, M. and Bijker, R., **Morphology and pipeline design through a dynamic landfall area; The black sea pipeline case**, OMAE 2002, Oslo.
- 2001 Chen, Z., Liu, P., Liu, Y. and Bijker, R., **An Integrated Approach To Pipeline Design Through Sandwave Fields: Dongfang Pipeline**, OMAE 2001, Rio de Janeiro.
- 2001 Chen, Z. and Bijker, R., **Interactions of Offshore Pipelines and Dynamic Seabed**, IAHR 2001, Beijing.
- 2001 Bijker, R. and Chen, Z., **Predictions of Abandoned Offshore Pipelines**, ISOPE 2001, Stavanger.
- 1998 Chen, Z. and Bijker, R., **Probabilistic Design of Burial Depth of Offshore Pipelines and Cables**, OMAE 1998, Lisbon.
- 1998 Bijker, R., Wilkens, J. and Hulscher, S.J.M.H., **Sandwaves, Where and Why**. ISOPE1998, Montreal.
- 1995 Bijker, R., Gerritsen, H. and Mathisen, J.P., **Measuring, predicting and designing for environmental loading on deepwater flow lines**. Deepwater Pipeline Technology Congress, 1995, London.
- 1995 Klomp, W.H.G., Hansen, E.A., Chen, Z., Bijker, R. and Bryndum, M.B., **Pipeline Seabed Interaction, Free Span Development**. ISOPE 1995, The Hague.
- 1995 Hansen, E.A., Smed, P.F., Bryndum, M.B., Klomp, W.H.G., Chen, Z. and Bijker, R., **Free span development and self lowering of pipelines**. OMAE 1995, Copenhagen.
- 1995 Bijker, R., Chen, Z. and Spiekhout, J., **Crossing the Eems with a 42" gas pipeline, 20 years learning experience**. OMAE 1995, Copenhagen.
- 1995 Bijker, R. and de Vries, J., **Stimulated self-lowering of Submarine Pipelines, Review of 10 year spoilers**. Offshore Pipeline Technology Conference 1995, Copenhagen.
- 1994 Bijker, R. and Moshagen, H., **Europipe pipeline shore approach, Environmental Design Basis**. ISOPE 1994, Osaka.
- 1994 Bijker, R., Chen, Z., and Moshagen, H., **Morphology and pipeline design through a tidal inlet**. The Europipe case. OMAE 1994, Houston.

- 1994 Bijker, R., **Practical use of hydrodynamic modelling for cost-effective offshore design**. Oilsoft conference 1994, London.
- 1991 Bijker, R., **Subsea Environment, characteristics of the seabed**. Lecture presented at the 15th WEGEMT Postgraduate School Underwater Technology, 1991, Helsinki.
- 1991 Bijker R., Staub, C., Silvis F., and Bruschi, R., **Scour Induced Free Spans**, OTC 1991, Houston.
- 1991 Bryndum, M.B., Staub, C., Hansen E.A., and Bijker, R., **Integrated design of pipeline free spans and selfburial**. Offshore Pipeline Technology 1991, Copenhagen.
- 1991 Bijker, R., **Self Lowering of Submarine Pipelines**. Mystery or Predictable? Published in Petrochem Nr. 6, 1991.
- 1990 Bijker, R., Van Foeken, R.J., Van der Pal, A.H.M., Schaap D., and Staub, C., **Pipeline - Sand Wave Interaction**, Pipeline Technology Conference, Ostend, 1990.
- 1990 Staub, C., and Bijker R., **Dynamic Numerical Models for Sand Waves and Pipeline Self-burial**, ICCE 1990, Delft.
- 1989 Hulsbergen, C.H., and Bijker, R., **Effect of Spoilers on Submarine Pipeline Stability**, OTC 1989, Houston.
- 1988 Bijker, R. and Koppies, J.D.M., **Changes for the civil engineering sector, the role of the home market in view of export opportunities** (in dutch), Published in Economische Statistische Berichten Nr. 3657, May 1988.
- 1988 Bijker, R., **Olympic sailing team navigates on compass of Delft Hydraulics and Meteoconsult** (in dutch), Published in De Ingenieur Nr. 9, Sept. 1988.
- 1988 Van Beek, F.A., Bijker, R., and Wind, H.G., **Simulation of Erosion and Sedimentation around Marine Structures by means of a numerical model**, BOSS conference 1988, Trondheim.
- 1985 Bijker, R, and Trisnayuda, B., **Dredging for Bontang LNG Harbour**. SEATEC V conference 1985, Jakarta.