

Michael R. Rasmussen  
Professor  
Department of the Built Environment  
The Faculty of Engineering and Science  
Division of Civil and Environmental Engineering  
Urban Water Research Group  
**Type of address: Visiting address.**  
Thomas Manns Vej 23  
1-258  
9220  
Aalborg Øst  
Denmark  
**Email:** mrr@build.aau.dk  
**Phone:** +4599408485



## Research profile

### Education

1997 Ph.D. Aalborg University, Department of Civil Engineering, Hydraulic and Coastal Engineering  
1992 Master of Science in environmental engineering, Aalborg University.

### Research interests

- Sensor technology, with emphasis in urban drainage application.
- Urban hydrology and climatology
- Computational fluid dynamics in environmental systems, ecohydrology and biohydrodynamics.

### Present appointments

Chairman of the Deans counsel at Aalborg University (2013-present)  
Deputy Chairman of the scientific ethics committee (PU) at Aalborg University (2017-present)  
Alternate member of the National Danish Committee on Research Misconduct (NVU) (2017-2021)  
Member of the National Danish Committee on Research Misconduct (NVU) (2021-2023)  
Member of the committee on equality and diversity at Aalborg University (ULD) (2017-present)  
Member of the Rain committee at Water Quality Committee (Spildevands komiteen) (2017-present)

### External project

Has participated in 20 national and international project the last 10 years with a total budget of approx. 200 million Dkr

## Research outputs

### Optimal control strategies for stormwater detention ponds

Goorden, M., Larsen, K. G., Nielsen, J. E., Nielsen, T. D., Qian, W., Rasmussen, M. R., Srba, J. & Zhao, G., Aug 2024, In: Nonlinear Analysis: Hybrid Systems. 53, 101504.

### Can stormwater runoff measurements be used for weather radar rainfall adjustment?

Nielsen, J. M., Rasmussen, M. R., Thorndahl, S. L., Ahm, M. K. S. & Nielsen, J. E., 1 May 2024, In: Journal of Hydroinformatics. 26, 5, p. 935–953 19 p.

### Merging weather radar data and opportunistic rainfall sensor data to enhance rainfall estimates

Nielsen, J. M., van de Beek, C. Z. R., Thorndahl, S., Olsson, J., Andersen, C. B., Andersson, J. C. M., Rasmussen, M. R. & Nielsen, J. E., 15 Apr 2024, In: Atmospheric Research. 300, 107228.

### Model-based prediction of bathing water quality in a lake polluted by fecal coliform bacteria from combined sewer overflows

Thorndahl, S., Nielsen, J. M. & Rasmussen, M. R., 1 Jan 2024, In: Journal of Environmental Management. 349, 14 p., 119483.

### RADIATE – Radarprognoser til vandsektoren: DANVA VUDP Projekt rapport

Ahm, M. S., Laursen, R., Nielsen, J. M., Rasmussen, M. R. & Nielsen, J. E., 2024, Aalborg: Institut for Byggeri, By og Miljø (BUILD), Aalborg Universitet. 97 p. (DCE Technical Reports; No. 320).

**Determine stormwater pond geometrics and hydraulics using remote sensing technologies: a comparison between airborne-LiDAR and UAV-photogrammetry field validation against RTK-GNSS**

Zhao, G., Rasmussen, M. R., Larsen, K. G., Srba, J., Nielsen, T. D., Goorden, M., Qian, W. & Nielsen, J. E., 1 Jul 2023, In: *Journal of Hydroinformatics*. 25, 4, p. 1256-1275 20 p., 1257.

**Evaluation and integration of professional and opportunistic high-resolution rainfall observations in the Øresund region**

Beek, R. V. D., Nielsen, J. M., Thorndahl, S. L., Olsson, J., Anderson, J. C. M., Nielsen, J. E. & Rasmussen, M. R., 2023.

**Guaranteed safe controller synthesis for switched systems using analytical solutions**

Goorden, M., Larsen, K. G., Nielsen, J. E., Nielsen, T. D., Qian, W., Rasmussen, M. R. & Zhao, G., 2023, *2023 IEEE Conference on Control Technology and Applications, CCTA 2023*. IEEE (Institute of Electrical and Electronics Engineers), p. 784-790 7 p. (IEEE Conference on Control Technology and Applications (CCTA) - Proceedings).

**Monitoring af Overfladeafstrømning fra grønne områder II (MOTO): DANVA VUDP projektrapport**

Nielsen, K. T., Duus, L. B., Rasmussen, M. R., Thorndahl, S. L., Møldrup, P., Svenningsen, R. S., Uggerby, M. & Rasmussen, S. H., 2022, København: Dansk Vand- og Spildevandsforening (DANVA). 36 p.

**Learning Safe and Optimal Control Strategies for Storm Water Detention Ponds**

Goorden, M., Larsen, K. G., Nielsen, J. E., Nielsen, T. D., Rasmussen, M. R. & Srba, J., 2021, *IFAC-PapersOnLine: 7th IFAC Conference on Analysis and Design of Hybrid Systems*. 5 ed. Elsevier, Vol. 54. p. 13-18 6 p. (IFAC-PapersOnLine; No. 5, Vol. 54).

**Safe Recreational Lake Waters II: Protection and warning against faecal bacteria and toxic algae in bathing lakes**

Markfoged, R., Friis-Holm, L. B., Jonassen, S., Starcke, S., Rasmussen, M. R., Thorndahl, S. L., Nielsen, J. M. & Møller, S. T., 2021, p. 1.

**DANVA VUDP projektrapport: Vejrradardata – Tilpasset og klar til anvendelse for hele vandsektoren og deres kunder**

Ahm, M. S., Jesuloganathan, Y. M., Rasch, P., Jensen, D. G., Nielsen, J. E. & Rasmussen, M. R., 2020, Aalborg: Institut for Byggeri, By og Miljø (BUILD), Aalborg Universitet. 52 p. (DCE Technical Reports; No. 297).

**Hydraulic effects of stormwater discharge into a small stream**

Thomsen, A. T. H., Nielsen, J. E., Riis, T. & Rasmussen, M. R., 2020, In: *Journal of Environmental Management*. 270, September 2020, 110793.

**Modeling of Subsurface Throughflow in Urban Pervious Areas**

Nielsen, K. T., Nielsen, J. E., Uggerby, M. & Rasmussen, M. R., 2020, In: *Journal of Hydrologic Engineering*. 25, 12, 04020050.

**Field-Scale Monitoring of Urban Green Area Rainfall-Runoff Processes**

Nielsen, K., Møldrup, P., Thorndahl, S. L., Nielsen, J. E., Uggerby, M. & Rasmussen, M. R., 1 Aug 2019, In: *Journal of Hydrologic Engineering*. 24, 8, 04019022.

**Estimation of Storm-Centred Areal Reduction Factors from Radar Rainfall for Design in Urban Hydrology**

Thorndahl, S. L., Nielsen, J. E. & Rasmussen, M. R., 1 Jun 2019, In: *Water*. 11, 6, 1120.

**Areal rainfall from radar in urban drainage analysis and design – some reflections on implementation in Denmark**

Thorndahl, S. L., Andersen, C. B., Nielsen, J. E. & Rasmussen, M. R., 2019, *Rainfall Monitoring, Modelling and Forecasting in Urban Environment. UrbanRain18: 11th International Workshop on Precipitation in Urban Areas. Conference Proceedings*. Peleg, N. & Molnar, P. (eds.). ETH-Zürich, Institute of Environmental Engineering, p. 119-120 2 p. (Rainfall Monitoring, Modelling and Forecasting in Urban Environment. UrbanRain18: 11th International Workshop on Precipitation in Urban Areas. Conference Proceedings).

**Use of weather radar in the water sector in Denmark; what can we learn?**

Thorndahl, S. L., Ahm, M., Nielsen, R., Andersen, C. B., Nielsen, J. E. & Rasmussen, M. R., 2019, p. 23-24. 2 p.

**Can the volume ratio of coarse to fine particles explain the hydraulic properties of sandy soil?**

Nielsen, J. E., Karup, D., De Jonge, L. W., Ahm, M., Bentzen, T. R., Rasmussen, M. R. & Moldrup, P., 2018, In: Soil Science Society of America Journal. 82, 5, p. 1093-1100

**Return period assessment of urban pluvial floods through modelling of rainfall–flood response**

Tuyls, D. M., Thorndahl, S. L. & Rasmussen, M. R., 2018, In: Journal of Hydroinformatics. 20, 4, p. 829-845 17 p.

**Sikkert søbad: Overvågning, rensning og varsling af regnvandsbetingede overløb**

Bastrup, J., Bastholm, S., Kilian, R., Stjernholm, K., Rasmussen, M. R., Friis-Holm, L. B., Jonassen, S., Olesen, K., Pors, J., Starcke, S., Thorndahl, S. L. & Rebsdorf, M. L., 2018, Aarhus: Miljøstyrelsen. 48 p.

**Can weather radar improve the bathing quality in a harbor?**

Rasmussen, M. R., Nielsen, J. E., Ahm, M. & Thorndahl, S. L., 2017, *2017 International Symposium Weather Radar and Hydrology*. Seoul: Korea Institute of Civil Engineering and Building Technology, Korea University, p. 128

**Combining high resolution X-band and long range C-band measurements for radar nowcasting**

Nielsen, J. E., Thorndahl, S. L., Ahm, M. & Rasmussen, M. R., 2017, *2017 International Symposium Weather Radar and Hydrology*. Seoul: Korea Institute of Civil Engineering and Building Technology, Korea University, p. 215

**Controlling the hydraulic impact of discharge from storm water detention ponds into streams**

Thomsen, A. T. H., Moeslund, T. B., Jensen, G. P., Nielsen, J. E., Pedersen, M. L. & Rasmussen, M. R., 2017, *Conference Proceedings: 14th IWA/IAHR International Conference on Urban Drainage*. IWA/IAHR International Conference on Urban Drainage, p. 821-824 ICUD-0364

**Field station to quantify overland runoff from urban green areas**

Nielsen, K., Duus, L. B., Møldrup, P., Thorndahl, S. L., Rasmussen, S. H., Uggerby, M. & Rasmussen, M. R., 2017, *Conference Proceedings: 14th IWA/IAHR International Conference on Urban Drainage*. IWA/IAHR International Conference on Urban Drainage, p. 35-38 ICUD-0061

**Forudsigelse af nedbør til hydrologiske prognoser**

Sass, B. H., Petersen, C., Gill, R., Bøvith, T., Jensen, D. G. & Rasmussen, M. R., 2017, In: Vand & Jord. 24, 2, p. 44-47

**Hydrologisk realtids monitorering og prognoser - muligheder og udfordringer**

Madsen, H., Refsgaard, J. C., Jensen, K. H., Rasmussen, M. R., Sass, B. H., Heemink, A., Hvid, S. K., Jørgensen, A. & Lassen, J., 2017, In: Vand & Jord. 24, 2, p. 62-64

**Rainfall measurement based on in-situ storm drainage flow sensors**

Ahm, M. & Rasmussen, M. R., 2017, In: Urban Water Journal. 14, 1, p. 23-33

**Rain gauge and weather radar representativeness of areal rainfall estimates over a small-scale urban catchment**

Ahm, M., Nielsen, J. E., Thorndahl, S. L. & Rasmussen, M. R., 2017, *2017 International Symposium Weather Radar and Hydrology*. Seoul: Korea Institute of Civil Engineering and Building Technology, Korea University, p. 96-97

**Scenario based risk assessment of the dispersion of E-coli from combined sewer overflow to a fresh-water lake**

Rasmussen, M. R., Thorndahl, S. L., Nielsen, J. E., Bastholm, S. & Starcke, S., 2017, *Conference Proceedings: 14th IWA/IAHR International Conference on Urban Drainage*. IWA/IAHR International Conference on Urban Drainage, p. 2366-2369 ICUD-0530

**Towards rainfall statistics from radar rainfall records for use in urban hydrology**

Thorndahl, S. L., Nielsen, J. E. & Rasmussen, M. R., 2017, *2017 International Symposium Weather Radar and Hydrology*. Seoul: Korea Institute of Civil Engineering and Building Technology, Korea University, p. 156 1 p.

### **Weather Radar Adjustment Using Runoff from Urban Surfaces**

Ahm, M. & Rasmussen, M. R., 2017, In: *Journal of Hydrologic Engineering*. 22, 5

### **Weather radar rainfall data in urban hydrology**

Thorndahl, S. L., Einfalt, T., Willems, P., Nielsen, J. E., ten Veldhuis, M.-C., Arnbjerg-Nielsen, K., Rasmussen, M. R. & Molnar, P., 2017, In: *Hydrology and Earth System Sciences*. 21, 3, p. 1359-1380 22 p.

### **Weather radar rainfall for design of urban storm water systems**

Thorndahl, S. L., Wright, D. B., Nielsen, J. E. & Rasmussen, M. R., 2017, *Conference Proceedings: 14th IWA/IAHR International Conference on Urban Drainage*. IWA/IAHR International Conference on Urban Drainage, p. 178-181 ICUD-0471

### **Estimation of combined sewer overflow discharge: a software sensor approach based on local water level measurements**

Ahm, M., Thorndahl, S. L., Nielsen, J. E. & Rasmussen, M. R., 2016, In: *Water Science and Technology*. 74, 11, p. 2683-2696 14 p.

### **Kathrinebjerg: Supplement til vindklima undersøgelse**

Rasmussen, M. R. & Nielsen, J. E., 2016, Aalborg: Aalborg Universitet, Institut for Byggeri og Anlæg. 21 p. (DCE Technical reports; No. 192).

### **Sammenligning af disdrometerobservationer og Spildevandskomitéens regnmålersystem**

Nielsen, J. E., Thorndahl, S. L. & Rasmussen, M. R., 2016, Aalborg: Aalborg Universitet, Institut for Byggeri og Anlæg. 23 p. (DCE Technical reports; No. 200).

### **Tema 1: BEWARE – Danmarks største regnmåler**

Nielsen, J. E., Ahm, M. & Rasmussen, M. R., 2016, *Drift af Spildevandskomitéens Regnmålersystem: Årsnotat 2015*. Thomsen, R. S. (ed.). København: DMI, p. 36-41 6 p. (DMI Report; No. 03, Vol. 16).

### **Analysis of one decade of heavy rainfall events from a radar rainfall dataset**

Thorndahl, S. L., Nielsen, J. E., Rasmussen, M. R. & Smith, J. A., 2015, *Rainfall in urban and natural systems: Proceedings of the 10th International Workshop on Precipitation in Urban Areas (UrbanRain15)*. Molnar, P. & Peleg, N. (eds.). Zürich: ETH-Zürich, Institute of Environmental Engineering , p. 238-239 2 p. UR15-79

### **Assimilation of radar-based nowcast into HIRLAM NWP model**

Jensen, D. G., Petersen, C. & Rasmussen, M. R., 2015, In: *Meteorological Applications*. 22, 3, p. 485-494 10 p.

### **Can we predict the next urban flood? A case study of rain nowcasting and real-time flood simulation**

Thorndahl, S., Nielsen, J. E., Jensen, D. G., Thomas Lautrup Jepsen, M., Kjærgaard Laursen, M. & Rasmussen, M. R., 2015, *Proceedings of the 10th International Conference on Urban Drainage Modelling*. Maere, T., Tik, S., S. D. & Vanrolleghem, P. A. (eds.). Québec: 10th International Urban Drainage Modelling Conference, p. 85-95 11 p.

### **GLUE Based Marine X-Band Weather Radar Data Calibration and Uncertainty Estimation**

Nielsen, J. E., Beven, K., Thorndahl, S. L. & Rasmussen, M. R., 2015, In: *Urban Water Journal*. 12, 4, p. 283-294 12 p.

### **Intercomparison of rainfall measurements from three different types of weather radars covering the same urban area**

Nielsen, J. E., Thorndahl, S. L. & Rasmussen, M. R., 2015, *Rainfall in urban and natural systems: Proceedings of the 10th International Workshop on Precipitation in Urban Areas (UrbanRain15)*. Molnar, P. & Peleg, N. (eds.). Zürich: ETH-Zürich, Institute of Environmental Engineering , p. 143-144 2 p. UR15-47

### **On Hydraulic and Pollution Effects of Converting Combined Sewer Catchments to Separate Sewer Catchments**

Thorndahl, S. L., Schaarup-Jensen, K. & Rasmussen, M. R., 2015, In: *Urban Water Journal*. 12, 2, p. 120-130 11 p.

### **A novel probabilistic method for uncertainty estimation in urban runoff nowcasting**

Jensen, D. G., Thorndahl, S. L. & Rasmussen, M. R., Apr 2014, *International Symposium Weather Radar and Hydrology*. MIRA Digital Publishing, 2 p.

**Weather radar adjustment using runoff from urban surfaces**

Ahm, M. & Rasmussen, M. R., Apr 2014, *International Symposium Weather Radar and Hydrology*. MIRA Digital Publishing, 10 p.

**A new settling velocity model to describe secondary sedimentation**

Ramin, E., Wágner, D. S., Yde, L., Binning, P. J., Rasmussen, M. R., Mikkelsen, P. S. & Plósz, B. G., 2014, In: *Water Research*. 66, p. 447-458 12 p.

**A Numerical Method to Generate High Temporal Resolution Precipitation Time Series by Combining Weather Radar Measurements with a Nowcast Model**

Nielsen, J. E., Thorndahl, S. L. & Rasmussen, M. R., 2014, In: *Atmospheric Research*. 138, March, p. 1-12 12 p.

**Bias adjustment and advection interpolation of long-term high resolution radar rainfall series**

Thorndahl, S. L., Nielsen, J. E. & Rasmussen, M. R., 2014, In: *Journal of Hydrology*. 508, 16, p. 214-226 13 p.

**Improving Weather Radar Precipitation Estimates by Combining two Types of Radars**

Nielsen, J. E., Thorndahl, S. L. & Rasmussen, M. R., 2014, In: *Atmospheric Research*. 139, March, p. 36-45 10 p.

**Probabilistic online runoff forecasting for urban catchments using inputs from rain gauges as well as statically and dynamically adjusted weather radar**

Löwe, R., Thorndahl, S. L., Mikkelsen, P. S., Rasmussen, M. R. & Madsen, H., 2014, In: *Journal of Hydrology*. 512, May, p. 397-407 11 p.

**Tillægsrapport til analyse vindklima ved Havnehusene**

Rasmussen, M. R. & Nielsen, J. E., 2014, Aalborg: Department of Civil Engineering, Aalborg University. 23 p. (DCE Technical reports; No. 163).

**Calibrating LAWR Weather Radar using Laser Disdrometers**

Nielsen, J. E., Jensen, N. E. & Rasmussen, M. R., 2013, In: *Atmospheric Research*. 122, March, p. 165-173 9 p.

**Comparison of short-term rainfall forecasts for modelbased flow prediction in urban drainage systems**

Thorndahl, S. L., Poulsen, T. S., Bøvith, T., Borup, M., Ahm, M., Nielsen, J. E., Grum, M., Rasmussen, M. R., Gill, R. & Mikkelsen, P. S., 2013, In: *Water Science and Technology*. 68, 2, p. 472-478 7 p.

**Development of Method for X-band Weather Radar Calibration**

Nielsen, J. E., Thorndahl, S. L. & Rasmussen, M. R., 2013, In: *Journal of Hydroinformatics*. 15, 4, p. 1326-1339 14 p.

**Estimating Subcatchment Runoff Coefficients using Weather Radar and a Downstream Runoff Sensor**

Ahm, M., Thorndahl, S. L., Rasmussen, M. R. & Bassø, L., 2013, In: *Water Science and Technology*. 68, 6, p. 1293-1299 7 p.

**Following a drop of water from the cloud, throughout the sewer system, into the receiving water: Model predictive control of integrated sewer-wastewater treatment systems**

Mikkelsen, P. S., Vezzaro, L., Sharma, A. K., Plósz, B. G., Rasmussen, M. R., Thorndahl, S. L., Gil, R., Löwe, R., Madsen, H., Grum, M., Gadegaard, T. N., Rungø, M., Lynggaard-Jensen, A., Thirsing, C., Bassø, L., Thyme, J., Petersen, H. & Thornberg, D. E., 2013, *Proceedings of 11th IWA conference on instrumentation control and automation*. Conference on Instrumentation Control and Automation

**Modelamiento de dos Fases (Agua-Aire) de un Bioreactor Con Membrana (MBR) Sumergida Mediante la Dinámica de Fluidos Computacional (CFD)**

Ratkovich, N. R., Bentzen, T. R. & Rasmussen, M. R., 2013, *VIII Congreso Ibero-Americano en Ciencias y Tecnología de Membranas*. Universidad Catolica del Maule, 2 p.

**Review and Comparison of Radar Rainfall Bias Adjustment Methods: applying a 10-year dataset from Denmark**

Thorndahl, S. L., Nielsen, J. E. & Rasmussen, M. R., 2013, *11th International Precipitation Conference 2013: Royal Netherlands Meteorological Institute (KNMI) and Hydrology and Quantitative Water Management Group, Wageningen University*. Leijne, H. & Uijlenhoet, R. (eds.). Wageningen, Netherland: Wageningen University, p. 217 1 p.

**Review and Comparison of Radar Rainfall Bias Adjustment Methods: applying a 10-year dataset from Denmark**

Thorndahl, S. L., Nielsen, J. E. & Rasmussen, M. R., 2013. 1 p.

**Short-Term Forecasting of Urban Storm Water Runoff in Real-Time using Extrapolated Radar Rainfall Data**

Thorndahl, S. L. & Rasmussen, M. R., 2013, In: *Journal of Hydroinformatics*. 15, 3, p. 897–912 16 p.

**State-space adjustment of radar rainfall and skill score evaluation of stochastic volume forecasts in urban drainage systems**

Löwe, R., Mikkelsen, P. S., Rasmussen, M. R. & Madsen, H., 2013, In: *Water Science and Technology*. 68, 3, p. 584-590 7 p.

**State-space adjustment of radar rainfall and stochastic flow forecasting for use in real-time control of urban drainage systems**

Löwe, R., Mikkelsen, P. S., Rasmussen, M. R. & Madsen, H., 2013, *Urban Drainage Modelling: Proceedings of the 9th International Conference on Urban Drainage Modelling*. Prodanović, D. & Plavšić, J. (eds.). Faculty of Civil Engineering, University of Belgrade, 9 p.

**Analyse vindklima ved Havnehusene**

Rasmussen, M. R. & Ratkovich, N. R., 2012, Aalborg: Department of Civil Engineering, Aalborg University. 24 p. (DCE Technical reports; No. 158).

**Analytical and Numerical Modelling of Newtonian and non-Newtonian Liquid in a Rotational Cross-flow MBR**

Bentzen, T. R., Ratkovich, N. R., Madsen, S., Jensen, J. C., Bak, S. N. & Rasmussen, M. R., 2012, In: *Water Science and Technology*. 66, 11, p. 2318–2327 10 p.

**Aspects of Applying Weather Radar-Based Nowcasts of Rainfall for Highways in Denmark**

Rasmussen, M. R., Thorndahl, S. L. & Quist, M., 2012, *Weather Radar and Hydrology*. Moore, R. J., Cole, S. J. & Illingworth, A. J. (eds.). Vol. 351. p. 330-335 6 p. (I A H S Proceedings and Reports).

**Comparison Of Short Term Rainfall Forecasts For Model Based Flow Prediction In Urban Drainage Systems**

Thorndahl, S. L., Poulsen, T. S., Bøvith, T., Borup, M., Ahm, M., Nielsen, J. E., Grum, M., Rasmussen, M. R., Gill, R. & Mikkelsen, P. S., 2012, *Urban Drainage Modelling: Proceedings of the Ninth International Conference on Urban Drainage Modelling*. Prodanović, D. & Plavšić, J. (eds.). Faculty of Civil Engineering, University of Belgrade, 12 p.

**Desarrollo de un Modelo Reológico de Lodos Activados Para Bioreactores Con Membrana (MBR)**

Ratkovich, N. R., Bentzen, T. R., Moreau, A. A. & Rasmussen, M. R., 2012, *VIII Congreso Ibero-Americano en Ciencias y Tecnología de Membranas*. 2 p.

**Empirical Correlations and CFD Simulations of Vertical Two-Phase Gas-Liquid (Newtonian and Non-Newtonian) Flow Compared Against Experimental Data of Void Fraction and Pressure Drop**

Ratkovich, N. R., Bentzen, T. R., Majumder, S. K. & Rasmussen, M. R., 2012, *3rd EBECCEM - Brazilian Meeting on Multiphase Flow and Phase Change Heat Transfer*. 22 p.

**Energy Consumption in Terms of Shear Stress for Two Types of Membrane Bioreactors used for Municipal Wastewater Treatment Processes**

Ratkovich, N. R., Bentzen, T. R. & Rasmussen, M. R., 2012, In: *Archives of Thermodynamics*. 33, 2, p. 85-106 20 p.

**Estimating Runoff Coefficients Using Weather Radars**

Ahm, M., Thorndahl, S. L., Rasmussen, M. R. & Bassø, L., 2012, *Urban Drainage Modelling: Proceedings of the Ninth International Conference on Urban Drainage Modelling*. Prodanović, D. & Plavšić, J. (eds.). Faculty of Civil Engineering,

University of Belgrade, 13 p.

#### **Evaluering af ny processeringsmetode til LAWR**

Nielsen, J. E., Thorndahl, S. L. & Rasmussen, M. R., 2012, Aalborg: Department of Civil Engineering, Aalborg University. 40 p. (DCE Technical reports; No. 149).

#### **Experimental and CFD Simulations of Vertical Two-Phase Slug Flow for Gas-Newtonian and Non-Newtonian Liquids**

Ratkovich, N. R., Bentzen, T. R., Majumder, S. & Rasmussen, M. R., 2012. 2 p.

#### **Experimental and CFD Simulation Studies of Wall Shear Stress for Different Impeller Configurations and MBR Activated Sludge**

Ratkovich, N. R., Chan, C. C. V., Bentzen, T. R. & Rasmussen, M. R., 2012, In: Water Science and Technology. 65, 11, p. 2061–2070 10 p.

#### **Marine X-band Weather Radar Data Calibration**

Thorndahl, S. L. & Rasmussen, M. R., 2012, In: Atmospheric Research. 103, p. 33–44 12 p.

#### **On Comparing NWP and Radar Nowcast Models for Forecasting of Urban Runoff**

Thorndahl, S. L., Bøvith, T., Rasmussen, M. R. & Gill, R. S., 2012, *Weather Radar and Hydrology*. J. Moore, R., J. Cole, S. & J. Illingworth, A. (eds.). IAHS Press, Vol. 351. p. 620-625 6 p. (I A H S Proceedings and Reports).

#### **Using Weather Radar to Optimise Operation of an Urban Drainage System with Distributed Rainwater Storage**

Rasmussen, M. R., Thorndahl, S. L., Bentzen, T. R., Nielsen, J. E. & Selc, T., 2012, *Urban Drainage Modelling: Proceedings of the Ninth International Conference on Urban Drainage Modelling*. Prodanović, D. & Plavšić, J. (eds.). Faculty of Civil Engineering, University of Belgrade, 11 p.

#### **What is a Proper Resolution of Weather Radar Precipitation Estimates for Urban Drainage Modelling?**

Nielsen, J. E., Rasmussen, M. R. & Thorndahl, S. L., 2012, *International Symposium on Weather Radar and Hydrology*. Exeter: IAHS Press, Vol. 351. p. 601-606 6 p. (IAHS Publications Series (Red Books)).

#### **Aspects of Applying Weather Radar Based Nowcast for Highways in Denmark**

Rasmussen, M. R., Quist, M. & Thorndahl, S. L., 2011. 1 p.

#### **Computational Fluid Dynamics of Two MBR Configurations**

Bentzen, T. R., Ratkovich, N. R. & Rasmussen, M. R., 2011, *AMTA/SEDA 2011 Joint Conference & Exposition "Membranes are the Solution": Book of Abstracts*. 1 p.

#### **Computational Fluid Dynamics of Two MBR Configurations**

Bentzen, T. R., Ratkovich, N. R. & Rasmussen, M. R., 2011, *AMTA/SEDA 2011 Joint Conference & Exposition "Membranes are the Solution": Book of Proceedings*. 10 p.

#### **Energy Consumption in Terms of Shear Stress for Two Types of Membrane Bioreactors Used for Municipal Wastewater Treatment Processes**

Ratkovich, N. R., Bentzen, T. R., Bérube, P. R., Heinen, N. & Rasmussen, M. R., 2011, *HEAT 2011: The Sixth International Conference on Transport Phenomena in Multiphase Systems : Conference Proceedings*. Polish Society of Mechanical Engineers and Technicians, p. 155-162 8 p.

#### **Energy Consumption Related to Shear Stress For Membrane Bioreactors Used For Wastewater Treatment**

Ratkovic, N. R., Bentzen, T. R., Bérubéb, P. R. & Rasmussen, M. R., 2011. 1 p.

#### **Energy Consumption Related to Shear Stress for Membrane Bioreactors Used for Wastewater Treatment**

Ratkovich, N. R., Bentzen, T. R., Bérube, P. R., Heinen, N. & Rasmussen, M. R., 2011, *Book of Proceedings: 24th International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems*. University of Niš, Faculty of Mechanical Engineering, Niš, p. 2195-2206 12 p.

**Energy Efficient Aeration in a Single Low Pressure Hollow Sheet Membrane Filtration Module**

Bentzen, T. R., Ratkovich, N. R., Rasmussen, M. R. & Heinen, N., 2011. 1 p.

**Energy Efficient Aeration in a Single Low Pressure Hollow Sheet Membrane Filtration Module**

Bentzen, T. R., Ratkovich, N. R., Rasmussen, M. R., Heinen, N. & Hansen, F., 2011, In: *G W F - Wasser, Abwasser*. 152, S1/2011, p. 104-107 4 p.

**Energy Efficient Aeration in a Single Low Pressure Hollow Sheet Membrane Filtration Module**

Bentzen, T. R., Ratkovich, N. R., Rasmussen, M. R., Heinen, N. & Hansen, F., 2011, *6th IWA Specialist Conference on Membrane Technology for Water & Wastewater Treatment*. IWA Publishing, p. 393-394 2 p.

**Flow Forecasting in Drainage Systems with Extrapolated Radar Rainfall Data and Auto Calibration on Flow Observations**

Thorndahl, S. L., Grum, M., Rasmussen, M. R. & Schaarup-Jensen, K., 2011, *12th International Conference on Urban Drainage: proceedings*. International Association of Hydraulic Engineering and Research (IAHR), 8 p.

**GLUE Based Uncertainty Estimation of Urban Drainage Modeling Using Weather Radar Precipitation Estimates**

Nielsen, J. E., Thorndahl, S. L. & Rasmussen, M. R., 2011, *12th International Conference on Urban Drainage: proceedings*. 8 p.

**Loads on Wind Turbines Access Platforms with Gratings**

Andersen, T. L., Frigaard, P., Rasmussen, M. R. & Martinelli, L., 2011, *Coastal Engineering 2010: Proceedings of the 32nd International Conference on Coastal Engineering*. Smith, J. M. & Lynett, P. (eds.). Coastal Engineering Research Council, 15 p. (Proceedings of the International Conference on Coastal Engineering; No. 32).

**Numerical Modelling of Non-Newtonian Fluid in a Rotational Cross-Flow MBR**

Bentzen, T. R., Ratkovich, N. R., Rasmussen, M. R., Madsen, S., Jensen, J. C. & Bak, S. N., 2011, *Proceedings of the 6th IWA Specialist Conference on Membrane Technology for Water and Wastewater Treatment, Aachen, Germany*. IWA Publishing, 8 p.

**Numerical Modelling of Non-Newtonian Fluid in a Rotational Cross-Flow MBR**

Bentzen, T. R., Ratkovich, N. R., Rasmussen, M. R., Madsen, S., Jensen, J. C. & Bak, S. N., 2011. 1 p.

**Numerical Modelling of Non-Newtonian Fluid in a Rotational Cross-Flow MBR**

Bentzen, T. R., Ratkovich, N. R., Rasmussen, M. R., Jensen, J. C. & Bak, S. N., 2011, *6th IWA Specialist Conference on Membrane Technology for Water & Wastewater Treatment*. IWA Publishing, p. 189-190 2 p.

**On Combining NWP and Radar QPF Models for Forecasting of Urban Runoff**

Thorndahl, S. L., Bøvith, T., Rasmussen, M. R. & Gill, R. S., 2011, *Proceedings of the International Symposium on Weather Radar and Hydrology*. 1 p.

**Radar Baseret Styringspotentiale for Vejle Spildevand**

Nielsen, J. E. & Rasmussen, M. R., 2011, Aalborg: Department of Civil Engineering, Aalborg University. 148 p. (DCE Technical reports; No. 122).

**The Effect of Converting Combined Sewer Catchments to Separate Sewer Catchments**

Schaarup-Jensen, K., Rasmussen, M. R. & Thorndahl, S. L., 2011, *12th International Conference on Urban Drainage : Proceedings*. 8 p.

**The Effect of Converting Combined Sewers to Separate Sewers**

Schaarup-Jensen, K., Rasmussen, M. R. & Thorndahl, S. L., 2011, *12th International Conference on Urban Drainage : proceedings: Porto Alegre/Brazil, 10-15 September 2011*. International Association of Hydraulic Engineering and Research (IAHR), 2 p.



**Analyse af vindforhold på Viborgvej/Bredskiftevej**

Rasmussen, M. R., Lauridsen, T. B., Kjemtrup, I.-M. & Hjul, J., 2010, Aalborg: Department of Civil Engineering, Aalborg University. 39 p. (DCE Technical reports; No. 84).

**Analyse af vindklima ved Navitas Park**

Rasmussen, M. R. & Lauridsen, T. B., 2010, Aalborg: Department of Civil Engineering, Aalborg University. 29 p. (DCE Technical reports; No. 99).

**Loads on Wind Turbines Access Platforms with Gratings**

Andersen, T. L., Frigaard, P., Rasmussen, M. R. & Martinelli, L., 2010. 1 p.

**Power Production and Economical Feasibility of Tideng Tidal Stream Power Converter**

Parmeggiani, S., Frigaard, P., Kofoed, J. P. & Rasmussen, M. R., 2010, Aalborg: Department of Civil Engineering, Aalborg University. 31 p. (DCE Technical reports; No. 81).

**Quantitative Precipitation Estimates Measured by C- and X-Band Radars: the potential for integration**

Nielsen, J. E., Larsen, J. B., Thorndahl, S. L. & Rasmussen, M. R., 2010, *Advances in Radar Technology: sixth european conference on radar in meteorology and hydrology*. Antonescu, B. & Bell, A. (eds.). Sibiu, Romania: National Meteorological Administration, p. 57-63 7 p.

**Quantitative Precipitation Estimates Measured by C- and X-Band Radars: The Potential for Integration**

Nielsen, J. E., Larsen, J. B., Thorndahl, S. L. & Rasmussen, M. R., 2010. 1 p.

**Radar Based Flow and Water Level Forecasting in Sewer Systems: a danish case study**

Thorndahl, S. L., Rasmussen, M. R., Grum, M. & Neve, S. L., 2010. 1 p.

**Regenerating High Resolution Data from a Lower Resolution Weather Radar**

Rasmussen, M. R., Thorndahl, S. L., Nielsen, J. E., Larsen, J. B. & Jensen, N. E., 2010, *Advances in Radar Technology: sixth european conference on radar in meteorology and hydrology*. Antonescu, B. & Bell, A. (eds.). Sibiu, Romania: National Meteorological Administration, p. 16-21 6 p.

**Uncertainty in Nowcasting of Radar Rainfall: a case study of the GLUE methodology**

Thorndahl, S. L., Rasmussen, M. R., Nielsen, J. E. & Larsen, J. B., 2010, *Advances in Radar Technology: sixth european conference on radar in meteorology and hydrology*. Antonescu, B. & Bell, A. (eds.). Sibiu, Romania: National Meteorological Administration, p. 232-238 7 p.

**Vejrradarbaseret styring af spildevandsanlæg**

Thorndahl, S. L. & Rasmussen, M. R., 2010, Aalborg: Department of Civil Engineering, Aalborg University. 184 p. (DCE Technical reports; No. 95).

**Vejrradar, Bruger: for radar interesserede kommuner, forsyninger, rådgiverer og universiteter**

Rasmussen, M. R. (Editor), 2010, In: *Vejrradar, Bruger*. 1, 1, 13 p.

**Vindscreening ved Multimediehuset**

Rasmussen, M. R. & Lauridsen, T. B., 2010, Aalborg: Department of Civil Engineering, Aalborg University. 40 p. (DCE Technical reports; No. 100).

**Predictions of Resuspension of Highway Detention Pond Deposits in Interrain Event Periods due to Wind-Induced Currents and Waves**

Bentzen, T. R., Larsen, T. & Rasmussen, M. R., 29 May 2009, In: *Journal of Environmental Engineering*. 135, 12, p. 1286-1293

#### **Adjustment of C-Band radar with mobile vertical pointing X-band radar**

Rasmussen, M. R., Vejen, F., Gill, R. & Overgaard, S., 2009, *www.vbn.aau.dk*. Department of Civil Engineering, Aalborg University, 4 p.

#### **Challenges in X-band Weather Radar Data Calibration**

Thorndahl, S. & Rasmussen, M. R., 2009, *UrbanRain09 : 8th International Workshop on Precipitation in Urban Areas : St. Moritz, Switzerland: Rainfall in the Urban Context : Forecasting, Risk and Climate Change : 10-13 December, 2009*. Molnar, P., Burlando, P., Einfalt, T., Schäppi, B. & Haas, M. (eds.). Eidgenössische Technische Hochschule Zürich, Laboratorium für Lebensmittel-Verfahrenstechnik, p. 12-16

#### **Radar Based Flow and Water Level Forecasting in Sewer Systems: a danisk case study**

Thorndahl, S., Rasmussen, M. R., Grum, M. & Neve, S. L., 2009, *UrbanRain09 : 8th International Workshop on Precipitation in Urban Areas : St. Moritz, Switzerland: Rainfall in the Urban Context : Forecasting, Risk and Climate Change : 10-13 December, 2009*. Molnar, P., Burlando, P., Einfalt, T., Schäppi, B. & Haas, M. (eds.). Eidgenössische Technische Hochschule Zürich, Laboratorium für Lebensmittel-Verfahrenstechnik, p. 225-229

#### **To what extent does variability of historical rainfall series influence extreme event statistics of sewer system surcharge and overflows?**

Schaarup-Jensen, K., Rasmussen, M. R. & Thorndahl, S., 2009, In: *Water Science and Technology*. 60, 1, p. 87-95

#### **Access Platforms for Offshore Wind Turbines Using Gratings**

Andersen, T. L. & Rasmussen, M. R., 2008, *Transportation Engineering/Coastal & Harbour Engineering/Hydraulic Engineering: Proceedings of the 8<sup>th</sup> International Congress on Advances in Civil Engineering, ACE 2008, Famagusta, North Cyprus, 15-17 September 2008*. Eren, Ö., Mohamed, A., Günyakti, A., Soyer, E., Bilsel, H. & Kunt, M. M. (eds.). Eastern Mediterranean University Press, Vol. 1. p. 379-386

#### **A Low Cost Calibration Method for Urban Drainage Models**

Rasmussen, M. R., Thorndahl, S. & Schaarup-Jensen, K., 2008, *Confrence Proceedings : 11th International Conference on Urban Drainage: Edinburgh International Conference Centre, Scotland : 11 ICUD: 31st August - 5th September 2008*. 6 p.

#### **A Low Cost Calibration Method for Urban Drainage Models**

Rasmussen, M. R., Thorndahl, S. & Schaarup-Jensen, K., 2008, *Book of Abstracts : 11 ICUD : 31 August - 5 September 2008: 11<sup>th</sup> International Conference on Urban Drainage, Edinburgh International Conference Centre, Scotland*. p. 104 1 p.

#### **Analyse af vindforhold omkring Isbjerg og Fantomet**

Rasmussen, M. R., 2008, Aalborg: Department of Civil Engineering, Aalborg University. 25 p. (DCE Technical reports; No. 43).

#### **Aspects of Using CFD for Wind Comfort Modeling Around Tall Buildings**

Rasmussen, M. R. & Andersen, L., 2008, *Structural & Earthquake Engineering: Proceedings of the 8<sup>th</sup> International Congress on Advances in Civil Engineering, ACE 2008, Famagusta, North Cyprus, 15-17 September 2008*. Eren, Ö., Mohamed, A., Günyakti, A., Soyer, E., Bilsel, H. & Kunt, M. M. (eds.). Eastern Mediterranean University Press, Vol. 4. p. 237-244

#### **Forskning viser vejen for fremtidens spildevandssystemer**

Adeler, O. F., Mark, O., Grum, M., Neergaard Jacobsen, B., Johansen, N. B., Rasmussen, M. R., Mikkelsen, P. S. & Henze, M., 2008, In: *Teknik*. 3, p. 46-48

#### **Modellering af strømninger omkring grødeøer i vandløb**

Pedersen, M. L. & Rasmussen, M. R., 2008. 1 p.

#### **The Influence of Wind on Sediment Transport in Highway Detention Ponds**

Bentzen, T. R., Larsen, T. & Rasmussen, M. R., 2008, *Book of Abstracts : 11 ICUD : 31 August - 5 September 2008 : 11<sup>th</sup> International Conference on Urban Drainage, Edinburgh International Conference Centre, Scotland*. The International Conference on Urban Drainage, 2 p.

**To What Degree Does Variability of Historical Rainfall Series Influence Extreme Event Statistics of Sewer System Surchage and Overflows?**

Schaarup-Jensen, K., Rasmussen, M. R. & Thorndahl, S., 2008, *Book of Abstracts : 11 ICUD : 31 August - 5 September 2008: 11<sup>th</sup> International Conference on Urban Drainage, Edinburgh International Conference Centre, Scotland*. p. 108 1 p.

**To what extent does variability of historical rainfall series influence extreme event statistics of sewer system surcharge and overflows?**

Schaarup-Jensen, K., Rasmussen, M. R. & Thorndahl, S., 2008, *Confrence Proceedings : 11th International Conference on Urban Drainage: Edinburgh International Conference Centre, Scotland : 11 ICUD: 31st August - 5th September 2008*. 10 p.

**Vejrradarbaseret styring af spildevandsanlæg**

Rasmussen, M. R., Thorndahl, S., Grum, M., Neve, S. & Borup, M., 2008, København: Miljøministeriet. By- og Landskabsstyrelsen. 94 p.

**Vertical Pointing Weather Radar for Built-up Urban Areas**

Rasmussen, M. R., Thorndahl, S. & Schaarup-Jensen, K., 2008, *Confrence Proceedings : 11th International Conference on Urban Drainage: Edinburgh International Conference Centre, Scotland : 11 ICUD: 31st August - 5th September 2008*. 8 p.

**Vertical Pointing Weather Radar for Built-up Urban Areas**

Rasmussen, M. R., Thorndahl, S. & Schaarup-Jensen, K., 2008, *Book of Abstracts : 11 ICUD : 31 August - 5 September 2008: 11<sup>th</sup> International Conference on Urban Drainage, Edinburgh International Conference Centre, Scotland*. Book of abstracts : 11 ICUD, p. 104 1 p.

**Våde enge kan give iltmangel i vandløb**

Frier, J.-O., Iversen, N. & Rasmussen, M. R., 2008, In: *Vand og Jord*. 15, 2, p. 76-79

**Wind Effects on Retention Time in Highway Ponds**

Bentzen, T. R., Larsen, T. & Rasmussen, M. R., 2008, In: *Water Science and Technology*. 57, 11, p. 1713-1720 8 p.

**Can we close the long term mass balance equation for pollutants in highway ponds?**

Bentzen, T. R., Larsen, T. & Rasmussen, M. R., 2007, *Highway and Urban Environment: Proceedings of the 8th Highway and Urban Environment Symposium*. Morrison, G. & Rauch, S. (eds.). IEEE Computer Society Press, p. 511-520 10 p. (Alliance for Global Sustainability Bookseries, Vol. 12).

**Detailed Investigations of Load Coefficients on Grates: influence of air and angle of attack**

Andersen, T. L., Rasmussen, M. R. & Frigaard, P., 2007, Aalborg: Department of Civil Engineering, Aalborg University. 27 p. (DCE Contract Reports; No. 22).

**Does Variability of Historical Rainfall Series Influence Extreme Event Statistics of Sewer System Surchage and Overflows?**

Schaarup-Jensen, K., Rasmussen, M. R. & Thorndahl, S., 2007, *Abstractbook of the 11th International Conference on Diffuse Pollution and 1<sup>st</sup> Joint Meeting of the IWA Diffuse Pollution and Urban Drainage Specialist Groups*. 4 p.

**Load Coefficients on Grates used for Wind Turbine Access Platforms: Model Test Investigations**

Andersen, T. L., Rasmussen, M. R. & Frigaard, P., 2007, Aalborg: Department of Civil Engineering, Aalborg University. 21 p. (DCE Contract Reports; No. 19).

**Miljø og regnvandssystemer: erfaringer og anbefalinger : juni 2006**

Henze, A., Ledin, A., Vollertsen, J., Kjølholt, J., Rasmussen, M. R., Quist, M., Kaasgaard, M. & Gabriel, S., 2007, Spildevandskomitéen. 39 p.

#### **Wind Effects on Retention Time in Highway Ponds**

Bentzen, T. R., Larsen, T. & Rasmussen, M. R., 2007, *Proceedings 11th International Conference on Diffuse Pollution: 1st Joint Meeting of the IWA Diffuse Pollution and Urban Drainage Specialist Groups : August 26 to 31, 2007 - Belo Horizonte - MG - Brazil*. 8 p.

#### **Wind Effects on Retention Times in Highway Ponds**

Bentzen, T. R., Larsen, T. & Rasmussen, M. R., 2007, *Novatech2007: 6th International Conference on Sustainable Techniques and Strategies in Urban Water Management, June 25-28 2007 - Lyon - France*. 3 p.

#### **Aalborg Vejradar: nye perspektiver for overvågning af afløbssystemet i Aalborg**

Nicolajsen, M. G. & Rasmussen, M. R., 2007, In: *Mikroben*. 15, 38, p. 12-14 3 p.

#### **Analyse af iltproblemer i Lindenberg Å ved Gravlev**

Frier, J.-O., Iversen, N. & Rasmussen, M. R., 2006, 3 ed. Aalborg: The Environmental Engineering Laboratory, Aalborg University. 39 p. (Report - Environmental Engineering Laboratory; No. 3).

#### **Analyse af vindkomfort og sikkerhed omkring Boliger, Centralværkstedet, Århus**

Rasmussen, M. R., 2006, Aalborg: Department of Civil Engineering, Aalborg University. 15 p. (DCE Technical reports; No. 1).

#### **Can we close the long term mass balance equation for pollutants in highway ponds?**

Bentzen, T. R., Larsen, T. & Rasmussen, M. R., 2006, *Proceedings of the 8th Highway and Urban Environment Symposium*. Chalmers tekniska högskola, 10 p.

#### **Computational Fluid Dynamics Modelling of Hydraulics and Sedimentation in Process Reactors during Aeration Tank Settling**

Jensen, M. D., Ingildsen, P., Rasmussen, M. R. & Laursen, J., 2006, In: *Water Science and Technology*. 53, 12, p. 257-264

#### **Fish stocking density impacts tank hydrodynamics**

Rasmussen, M. R., Lunger, A., Laursen, J. & McLean, E., 2006, In: *Aquaculture*. 254, 1-4, p. 370-375 6 p.

#### **Relationship Between Accumulation and Influx of Pollutants in Highway Ponds**

Bentzen, T. R., Larsen, T. & Rasmussen, M. R., 2006, Aalborg Universitetsforlag, 12 p.

#### **Vandrensning på Dambrug**

Grønborg, O., Skjølstrup, J., Riis-Vestergaard, J., Frier, J.-O., Laursen, J. & Rasmussen, M. R., 2006, Aalborg: The Environmental Engineering Laboratory, Aalborg University. 186 p. (Report - Environmental Engineering Laboratory, Aalborg University; No. 2).

#### **Våde regnvandsbassiner**

Vollertsen, J., Nielsen, A. H., Rasmussen, M. R. & Hvitved-Jacobsen, T., 2006, In: *Mikroben*. 14, 34, p. 4-9 6 p.

#### **Do Fish Enhance Tank Mixing?**

Rasmussen, M. R., Laursen, J., Craig, S. R. & McLean, E., 14 Nov 2005, In: *Aquaculture*. 250, 1-2, p. 162-74 13 p.

#### **Comparison of two Different Methods for Evaluating the Hydro-dynamic Performance of an Industrial-scale Fish-rearing Unit**

Rasmussen, M. R., McLean, E. & Craig, S. R., 2005, *Aquaculture America 2005 Abstracts: Aquaculture - Image, Sustainability & All That Jazz*. World Aquaculture Society, p. 353 1 p.

#### **Computational Fluid Dynamics Modelling of Hydraulics and Sedimentation in Process Reactors During Aeration Tank Settling**

Dam Jensen, M., Ingildsen, P., Rasmussen, M. R. & Laursen, J., 2005, *Nutrient Management in Wastewater Treatment Processes and Recycle Streams: The Conference Proceedings*. IWA Publishing, p. 775-782 8 p.

**Development of Circular Sludge Collection Cones for Concentration of Solids in Raceways**

Rasmussen, M. R., Laursen, J., McLean, E. & Craig, S. R., 2005, *Aquaculture America 2005 Abstracts: Aquaculture - Image, Sustainability & All That Jazz*. World Aquaculture Society, p. 354 1 p.

**Impact of Supplemental Internal Structures Upon the Hydrodynamic Performance of Commercial Trout Tanks for use in Flatfish Culture**

Rasmussen, M. R. & McLean, E., 2005, *Aquaculture America 2005 Abstracts: Aquaculture - Image, Sustainability & All That Jazz*. World Aquaculture Society, p. 356 1 p.

**Influence of Stocking Density upon Fluid Dynamics in a Recirculating Aquaculture System**

Rasmussen, M. R., McLean, E., Lunger, A., Schwarz, M. H. & Craig, S. R., 2005, *Aquaculture America 2005 Abstracts: Aquaculture - Image, Sustainability & All That Jazz*. World Aquaculture Society, p. 355 1 p.

**Ingeniører med speciale i Vand & Miljø fra Aalborg skal nok klare kloakkerne**

Jensen, J. B., Larsen, T., Rasmussen, M. R. & Schaarup-Jensen, K., 2005, In: Ingeniørforeningen i Danmark. Spildevandskomiteen. 18, 3, p. 6 1 p.

**Removal of Heavy Metals and PAH in Highway Detention Ponds**

Bentzen, T. R., Larsen, T., Thorndahl, S. L. & Rasmussen, M. R., 2005, *Proceedings of the 10th International Conference on Urban Drainage: Copenhagen, Denmark, 21-26 August 2005*. Eriksson, E., Genc-Fuhrman, H., Vollertsen, J., Ledin, A., Hvitved-Jacobsen, T. & Mikkelsen, P. S. (eds.). Institute of Environment, 8 p.

**The Effect of Tank Color upon Growth Performance and Stress Response of Summer Flounder *Paralichthys dentatus***

Cotter, P. A., Harris, J. O., McLean, E., Craig, S. R., Schwarz, M. H. & Rasmussen, M. R., 2005, *Aquaculture America 2005 Abstracts: Aquaculture - Image, Sustainability & All That Jazz*. World Aquaculture Society, p. 78 1 p.

**Urban Run-off Volumes Dependency on Rainfall Measurement Method: - Scaling Properties of Precipitation within a 2x2 km Radar Pixel**

Pedersen, L., Jensen, N. E., Rasmussen, M. R. & Nicolajsen, M. G., 2005, *10th International Conference on Urban Drainage : 21-26 August 2005, Copenhagen / Denmark*. Eriksson, E., Genc-Fuhrman, H., Hvitved-Jacobsen, T., Ledin, A., Mikkelsen, P. S. & Vollertsen, J. (eds.). Institute of Environment, 8 p.

**Comparison of two different methods for evaluating the hydrodynamic performance of an industrial-scale fish-rearing unit**

Rasmussen, M. R. & McLean, E., 20 Dec 2004, In: *Aquaculture*. 242, 1-4, p. 397-416 20 p.

**Air-water transfer of hydrogen sulfide: an approach for application in sewer networks**

Yongsiri, C., Vollertsen, J., Rasmussen, M. R. & Hvitved-Jacobsen, T., 2004, In: *Water Environment Research*. 76, 1, p. 81-88 8 p.

**Development of Efficient Sludge Collection Cones for Concentration of Raceway-Derived Solids in Recirculating Aquaculture Systems**

Rasmussen, M. R., Laursen, J. & McLean, E., 2004, *Proceedings of the Fifth International Conference on Recirculating Aquaculture*. 5 ed. p. 400-410 11 p.

**Modellering af ATS forhold på Bjergmarken Renseanlæg**

Laursen, J. & Rasmussen, M. R., 2004, 1 ed. Department of Civil Engineering : Aalborg University: Aalborg Universitetsforlag. 20 p. (Hydraulics and Coastal Engineering; No. 13).

**Numerical Modelling of Insulin and Amyloglucosidase Release from Swelling Ca-Alginate Beads**

Pedersen, L. H., Snabe, T. & Rasmussen, M. R., 2004, *12th International Biotechnology Symposium and Exhibition*. Asenjo, J. A. (ed.). Faculty of Physical and Mathematical Sciences, University of Chile, p. 139 1 p.

**Overtopping Measurements on the Wave Dragon Nissum Bredning Prototype**

Frigaard, P., Kofoed, J. P. & Rasmussen, M. R., 2004, *The Proceedings of The Fourteenth (2004) International Offshore and Polar Engineering Conference*. Chung, J. S., Izumiyama, K., Sayed, M. & Hong, S. W. (eds.). 14 ed. International

Society of Offshore & Polar Engineers, p. 210-216 7 p.

#### **The Characteristics of Waste Water Flow in a Danish Combined Sewer**

Schaarup-Jensen, K. & Rasmussen, M. R., 2004, *4th International Conference on Sewer Processes and Networks : Conference Proceedings: Sewer Processes and Networks*. Matos, J. S. (ed.). 4 ed. p. 93-101

#### **Numerical Modelling of Insulin and Amyloglucosidase Release from Swelling Ca-Alginate Beads**

Rasmussen, M. R., Snabe, T. & Pedersen, L. H., 2003, In: *Journal of Controlled Release*. 91, 3, p. 395-405 11 p.

#### **Osmotic Effects in Sludge Dewatering**

Keiding, K. & Rasmussen, M. R., 2003, In: *Advances in Environmental Research*. 7, 3, p. 641-645 5 p.

#### **Overtopping Measurements on the Wave Dragon Nissum Bredning Prototype**

Frigaard, P. B., Kofoed, J. P. & Rasmussen, M. R., 2003. 2 p.

#### **Minimering af enkelttab i Søholt rensesanlæg**

Rasmussen, M. R., 2002, Aalborg: Aalborg Universitet. 19 p.

#### **Numerical modelling of hydrodynamics in aquaculture systems: A Civil Engineering Perspective**

Rasmussen, M. R., 2002, *Proceedings of the 4th International Conference on Recirculating Aquaculture, July 18-21, 2002, Roanoke, Virginia, USA*.

#### **Bestemmelse af forureningsbelastning fra overløbsbygværker med bassiner**

Larsen, T., Rasmussen, M. R., Nielsen, M. & Christensen, M., 2001, In: *Stads og Havneingeniøren*. 5 p.

#### **Computational fluid dynamics study of the floating wavefoil for the wave energy converter Tyngdeflyderen**

Rasmussen, M. R., 2001, Aalborg: Hydraulics & Coastal Engineering Laboratory, Department of Civil Engineering, Aalborg University.

#### **Design study of the floating wavefoil for a wave energy converter using computational fluid dynamics**

Rasmussen, M. R., 2001, *Proceedings of MAREC2001, International Conference on Marine Renewable Energies, The Institute of Marine Engineers and the University of Newcastle, Newcastle, Mar. 2001*.

#### **Forureningsbelastning fra overløbsbygværker med bassiner**

Nielsen, M., Christensen, M., Rasmussen, M. R. & Larsen, T., 2001, In: *Stads og Havneingeniøren*. årg. 92, 11, p. 45-46

#### **Minimizing energy losses in Søholt waste water treatment plant: a numerical and experimental study**

Rasmussen, M. R., 2001, Aalborg: Hydraulics & Coastal Engineering Laboratory, Department of Civil Engineering, Aalborg University.

#### **Tyngdeflyderen: Performance in shortcrested waves and a profile design study**

Rasmussen, M. R., Jensen, M. S. & Frigaard, P., 2000, Laboratoriet for Hydraulik og Havnebygning. 25 p.

#### **Image Processing as a Method for Analysis of Wastewater Quality**

Schlütter, F. & Rasmussen, M. R., 1999, *Proceeding of the Fourth International Conference on Innovative Technologies in Urban Storm Drainage, Lyon, France*.

#### **Numerisk modellering af dekantere til afvanding af slam**

Rasmussen, M. R., 1999, Aalborg : Institut for Vand, Jord og Miljøteknik og Havnebygningensgruppen: Aalborg Universitet.

#### **Tilbageholdelse af partikulært stof i forsinkelsesbassiner**

Neerup-Jensen, O., Larsen, T. & Rasmussen, M. R., 1999, In: *Stads og Havneingeniøren*. årg. 90, 12, p. 24-27 4 p.

### **On-line Measurements of Settling Characteristics in Activated Sludge**

Rasmussen, M. R. & Larsen, T., 1997, In: Water Science and Technology. Vol, 36, 4, p. 307-312 6 p.

### **Poprawa Dynamiki Sedymentacji Osadu Czynnego Poprzez Dawkowanie Talku w Postaci Pylistej**

Rasmussen, M. R., Larsen, T. & Clauss, F., 1997, *Usuwanie Związków Biogennych ze Ścieków: Nutrient Removal from Wastewater : Materily Międzynarodowej Konferencji Naukowo-Technicznej*. 10 p.

### **Solid Dynamics in Secondary Settling Tanks**

Rasmussen, M. R., 1997, Aalborg.

### **A Method for Measuring Sludge Settling Characteristics in Turbulent Flows**

Rasmussen, M. R. & Larsen, T., 1996, In: Water Research. 30, 10, p. 2363-2370 8 p.

### **Improving Settling Dynamics of Activated Sludge by Adding Fine Talc Powder**

Rasmussen, M. R., Larsen, T. & Clauss, F., 1996, In: Water Science and Technology. 34, 5/6, p. 11-18 8 p.

### **Runoff Modelling in Urban Storm Drainage by Neural Networks**

Rasmussen, M. R., Brorsen, M. & Schaarup-Jensen, K., 1995, *NOVATECH 95: 2nd International Conference on Innovative Technologies in Urban Storm Drainage*. GRAIE, p. 395-402 8 p.

## **Activities**

### **Department of the Built Environment (Organisational unit)**

Rasmussen, M. R. (Chairperson)

1 Jan 2020

### **Dryp A/S (External organisation)**

Rasmussen, M. R. (Chairperson)

2020

### **12th International Conference on Urban Drainage**

Rasmussen, M. R. (Speaker)

18 Apr 2011 → 21 Apr 2011

### **International Symposium on Weather Radar and Hydrology**

Rasmussen, M. R. (Speaker)

18 Apr 2011 → 21 Apr 2011

### **The International Congress on Advances in Civil Engineering**

Rasmussen, M. R. (Speaker)

15 Sept 2008 → 17 Sept 2008

### **Forskningsdag 2008**

Rasmussen, M. R. (Speaker)

8 Jan 2008

### **Forskningsdag : Institut for Byggeri og Anlæg**

Rasmussen, M. R. (Speaker)

9 Jan 2007

### **Vandløbsadministration : Undersøgelser i Gravlev Ådal - Lindenberg Å**

Rasmussen, M. R. (Speaker)

4 Apr 2006 → 5 Apr 2006

**Nyhedsbrev : Aalborg Vejradar Nyhedsbrev (Journal)**  
Rasmussen, M. R. (Editor)  
8 Sept 2005

**The Faculty of Engineering and Science (Organisational unit)**  
Rasmussen, M. R. (Chairperson)  
1 Jan 2005

## **Press/Media**

**70 procent mere regn i Nordjylland end normalt**  
Rasmussen, M. R.  
19/01/2007  
1 item of Media coverage

**Badevand i centrum bedst tjekket**  
Rasmussen, M. R.  
26/08/2011  
1 item of Media coverage

**Bedre målinger af kloakoverløb på vej**  
Rasmussen, M. R.  
29/08/2019  
2 items of Media coverage

**Bedre syn på stranden**  
Rasmussen, M. R. & Nielsen, J. E.  
18/07/2009  
1 item of Media coverage

**Danskudviklet radar skal forhindre drukneulykker på stranden**  
Rasmussen, M. R.  
21/07/2009  
3 items of Media coverage

**DANVAs bestyrelse har godkendt uddeling af VUDP-midler for 2017**  
Rasmussen, M. R.  
06/10/2017  
1 item of Media coverage

**Debat: Vi kan hænge fremtidens skybrud til tørre**  
Rasmussen, M. R.  
17/03/2023  
1 item of Media coverage

**DF i kamp mod stigende grundvand**  
Rasmussen, M. R.  
23/07/2007  
1 item of Media coverage

**En trend til gavn for miljø og økonomi**  
Rasmussen, M. R.  
23/09/2008  
1 item of Media coverage



**Fakta om overløb**

Rasmussen, M. R.

04/02/2021

1 item of Media coverage

**Farvekoder på rør kan forebygge ekskrementer i badevandet**

Rasmussen, M. R.

23/03/2018

1 item of Media coverage

**Farvekoder på rør kan forebygge ekskrementer i badevandet**

Rasmussen, M. R.

05/04/2018

1 item of Media coverage

**Flere steder i Nordjylland kæmper med vådt vejr**

Rasmussen, M. R.

28/02/2020

1 item of Media coverage

**Forsker: Landmænd skal begynde at se sig om efter nye afgrøder**

Rasmussen, M. R.

09/08/2017

2 items of Media coverage

**Fra drømmehus til vådt mareridt: - Jeg frygter for mine børns ve og vel**

Rasmussen, M. R.

01/07/2021 → 03/07/2021

3 items of Media coverage

**Hollandsk model mod oversvømmede kældre**

Rasmussen, M. R.

23/07/2007

1 item of Media coverage

**Husk disse regler, når du bygger nyt**

Rasmussen, M. R.

09/06/2020 → 12/06/2020

2 items of Media coverage

**Hvidovre vil advare borgerne om oversvømmelse med SMS**

Rasmussen, M. R.

06/12/2007

1 item of Media coverage

**Højt Scala-byggeri går mod vinden**

Rasmussen, M. R.

18/02/2013

1 item of Media coverage

**Intelligent teknologi forbedrer vandmiljøet**

Rasmussen, M. R.

14/11/2018

1 item of Media coverage

**Intelligent vejr-varslingssystem på vej**

Rasmussen, M. R.

22/08/2008

1 item of Media coverage

**Kan koste dig dyrt: Husk disse regler når du bygger nyt**

Rasmussen, M. R.

12/05/2020 → 17/05/2020

6 items of Media coverage

**Kan koste dyrt: Har du styr på disse boligregler?**

Rasmussen, M. R.

18/05/2020 → 20/05/2020

4 items of Media coverage

**Klimabassin skal få tjek på regnvandet**

Rasmussen, M. R.

22/05/2019

3 items of Media coverage

**Kloakker vil bryde sammen**

Rasmussen, M. R.

30/12/2014

3 items of Media coverage

**Kommuner skal tage ansvar for grundvandet**

Rasmussen, M. R.

23/07/2007

1 item of Media coverage

**Miljøudvalgsformand: "Vi bader jo i lort"**

Rasmussen, M. R.

29/08/2019

1 item of Media coverage

**Modeller for klimatilpasning passer**

Rasmussen, M. R.

17/09/2019

1 item of Media coverage

**Monsterregnskyt ødelægger uåbnet kæmpevej i Vejle**

Rasmussen, M. R.

28/09/2023 → 29/09/2023

5 items of Media coverage

**Naviger uden om boliger med oversvømmelsesrisiko**

Rasmussen, M. R.

25/03/2020

4 items of Media coverage

**Naviger uden om boliger med oversvømmelsesrisiko**

Rasmussen, M. R.

02/04/2020 → 06/04/2020

2 items of Media coverage

**Naviger uden om boliger med oversvømmelsesrisiko**

Rasmussen, M. R.

24/04/2020

1 item of Media coverage

**"Nu går den ikke længere": Helles vej er oversvømmet på tredje måned**

Rasmussen, M. R.

10/05/2024

10 items of Media coverage

**Nye investeringer og fuld udnyttelse af eksisterende systemer**

Rasmussen, M. R.

14/10/2010

1 item of Media coverage

**Ny måde at bruge vejradardata på**

Rasmussen, M. R.

12/08/2021

1 item of Media coverage

**Ny radar i Aalborg mod oversvømmelser**

Rasmussen, M. R.

23/03/2006

1 item of Media coverage

**Ny rapport: Billigere end antaget at måle og bremse kloakoverløb**

Rasmussen, M. R.

07/09/2020 → 10/09/2020

5 items of Media coverage

**Opfinder fordobler salget**

Rasmussen, M. R.

05/01/2021

5 items of Media coverage

**Opfinder: Om to år har vi 10-doblet salget**

Rasmussen, M. R.

28/12/2019

2 items of Media coverage

**Overløb er en sikkerhedsventil**

Rasmussen, M. R.

05/11/2020 → 07/11/2020

4 items of Media coverage

**Pluk**

Rasmussen, M. R.

09/05/2022

1 item of Media coverage

**Professor: Boliger ved vandet er de mest attraktive - men det koster**

Rasmussen, M. R.

03/03/2022 → 07/03/2022

4 items of Media coverage

**Radar kan redde badegæsters liv**

Rasmussen, M. R.

31/07/2008

1 item of Media coverage

**Regnradar skal forudsige skybrud**

Rasmussen, M. R.

12/09/2014

4 items of Media coverage

**Sensorer forbedrer vandmiljø**

Rasmussen, M. R.

02/05/2018

1 item of Media coverage

**Store kræfter på spil**

Rasmussen, M. R.

11/10/2009

1 item of Media coverage

**Stormflod på vej igen**

Rasmussen, M. R.

08/01/2019

1 item of Media coverage

**Succesfuld jagt på kloakfejl**

Rasmussen, M. R.

16/04/2017

3 items of Media coverage

**Tordenjægerne og vejrradaren**

Rasmussen, M. R.

23/03/2006

1 Media contribution

**Tusinder får miljøsmæk**

Rasmussen, M. R.

13/10/2014

1 item of Media coverage

**Urbane vinde plager bygning**

Rasmussen, M. R.

20/05/2010

1 item of Media coverage

**Vandkoncern bag nyt skybrudskort**

Rasmussen, M. R.

14/12/2016

2 items of Media coverage

**Vejrradar giver viden om regn**

Rasmussen, M. R.

29/03/2006

1 item of Media coverage

**Vejrradar til Hvidovre**

Rasmussen, M. R.

07/12/2007

1 item of Media coverage

**Villum Fonden støtter 8 tværfaglige projekter i nyt program**

Hose, K., Albertsen, M., Wang, H., Yang, B., Larsen, K. G. &amp; Rasmussen, M. R.

29/03/2020

1 item of Media coverage

**Villum Fonden støtter otte projekter med i alt 52,5 mio. kr.**

Larsen, K. G., Rasmussen, M. R., Hose, K., Albertsen, M., Wang, H. &amp; Yang, B.

07/05/2020

1 item of Media coverage

**Vi må leve med oversvømmelser**

Rasmussen, M. R.

29/01/2015

1 item of Media coverage

**Vi må vænne os til regnen**

Rasmussen, M. R.

19/01/2007

1 item of Media coverage

**Vinden smadrer vinduer**

Rasmussen, M. R.

20/05/2010

5 items of Media coverage

**Vi skal blive bedre til at håndtere store regnmængder**

Rasmussen, M. R.

06/12/2013

1 item of Media coverage

**Vi skal regne om igen i et vigtigt klimaregnestykke**

Rasmussen, M. R.

05/09/2019

2 items of Media coverage

**VUDP: 10 millioner til udviklingsprojekter**

Rasmussen, M. R.

14/12/2023

1 item of Media coverage

**Øget sommerhusaktivitet kan skade miljøet**

Rasmussen, M. R.

24/12/2015

1 item of Media coverage

**Aalbor**

Rasmussen, M. R.

21/05/2019

1 item of Media coverage

**Aalborg-forsker: Afgørende at prioritere kloaksystemsindsats**

Rasmussen, M. R.

01/12/2020

1 item of Media coverage

**Aalborgs nye havnebad åbner med forsinkelse**

Rasmussen, M. R.

01/07/2011

2 items of Media coverage

**AAU og Aalborg Kommune skal studere vejret**

Rasmussen, M. R.

23/03/2006

1 item of Media coverage

## Projects

**Accumulation of Pollutants In Highway Detention Ponds**

Bentzen, T. R. (Project Participant), Larsen, T. (Project Manager) & Rasmussen, M. R. (Project Manager)

<ingen navn>

21/08/2005 → 30/10/2008

**CFD optimering af hydrodynamisk funktion i et ATS renseanlæg med**

Rasmussen, M. R. (Project Participant) & Laursen, J. (Project Participant)

01/09/2004 → ...

**Combining C-band and X-band weather radars for accurate precipitation measurements over urban areas**

Nielsen, J. E. (Project Participant) & Rasmussen, M. R. (Other)

01/07/2009 → 29/06/2012

**Eksperimentel og numerisk undersøgelse af energiforhold i Søholt Renseanlæg / Experimental and Numerical Evaluation of the Energy Distribution in Søholt Wastewater Treatment Plant**

Rasmussen, M. R. (Project Participant)

31/12/2003 → 31/12/2003

**Hydrodynamisk analyse af opdræts tanke til pighvar / Hydrodynamic Analysis of Turbot Rearing Tanks**

Rasmussen, M. R. (Project Participant)

19/05/2010 → ...

**Measurement and Modelling of 3-Dimensional Multi Phase Flow in Wastewater Treatment Plant Process- and Sedimentation Tanks.**

Rasmussen, M. R. (Project Participant) & Laursen, J. (Project Participant)

19/05/2010 → ...

**MEMBIO - Danish Membrane Bioreactor Technology**

Bentzen, T. R. (Project Participant) & Rasmussen, M. R. (Project Participant)

Danish Ministry of Science, Technology and Innovation

19/05/2010 → ...

**Modellering af frigivelse af insulin og proteiner fra hydrogeler / Numerical Modelling of Combined Hydrodynamic and Biological Processes in Wastewater Treatment Plants**

Rasmussen, M. R. (Project Participant)

19/05/2010 → ...

**Modellering og måling af hydrodynamik og processer i renselanlæg / Modelling and Measurements of Hydrodynamics and Processes in Sewer Treatment Plants**

Larsen, T. (Project Participant) & Rasmussen, M. R. (Project Participant)  
31/12/2003 → 31/12/2003

**Numerisk modellering af efterklaringstanke i renselanlæg / Numerical Modelling of Secondary Clarifiers in Sewage Treatment Plants**

Rasmussen, M. R. (Project Participant) & Larsen, T. (Project Participant)  
19/05/2010 → ...

**Optimering af energiforhold i dambrug med runde produktionstanke / Optimization of Energy Conditions in Aquaculture Facilities with Round Rearing Tanks**

Rasmussen, M. R. (Project Participant)  
31/12/2003 → 31/12/2003

**Optimering af slutrensning i akvakultur**

Riis-Vestergaard, J. (Project Participant), Skjølstrup, J. (Project Participant), Frier, J.-O. (Project Participant), Grønborg, O. (Project Participant), Rasmussen, M. R. (Project Participant) & Laursen, J. (Project Participant)  
01/12/2001 → 01/12/2004

**Optimering af tømmeproces i sedimentationskegler i færgsvandsdambrug.**

Laursen, J. (Project Participant) & Rasmussen, M. R. (Project Participant)  
19/05/2010 → ...

**Overløb fra fælleskloak - Hvordan måles det - og Hvorfor?**

Bassø, L. (Project Participant), Rasmussen, M. R. (Project Participant), Nielsen, J. E. (Project Participant), Thorndahl, S. L. (Project Participant), Mikkelsen, P. S. (Project Participant), Sharma, A. K. (Project Participant), Rungø, M. (Project Participant), Grum, M. (Project Participant), Gadegaard, T. (Project Participant) & Ahm, M. K. S. (Project Participant)  
01/01/2013 → 01/12/2014

**Oxygen depletion from submerged fields in Gravlev (Lindenberg River)**

Frier, J.-O. (Project Participant), Rasmussen, M. R. (Project Participant) & Iversen, N. (Project Participant)  
LIFE  
19/05/2010 → ...

**RADIATE: Radarprognoser til vandsektoren**

Nielsen, J. M. (PI), Nielsen, J. E. (PI) & Rasmussen, M. R. (PI)  
01/01/2021 → 01/11/2023

**Sealing Material of Groundwater Wells**

Köser, C. (Project Participant), Rasmussen, M. R. (Project Manager), Andersen, L. V. (Other) & Thøgersen, L. (Project Manager)  
VIA University College  
01/06/2008 → 18/11/2011

**Sediment Transport in Sewer Systems**

Rasmussen, M. R. (Project Participant), Schaarup-Jensen, K. (Project Participant) & Larsen, T. (Project Participant)  
19/05/2010 → ...

**Stoftilbageholdelse i regnvandsbassiner / Solids Removal in Detention Basins**

Rasmussen, M. R. (Project Participant) & Larsen, T. (Project Participant)  
19/05/2010 → ...

**Storm- and Wastewater Informatics**

Henze, M. (Project Licensee), Mikkelsen, P. S. (Project Participant), Adeler, O. F. (Project Participant), Mark, O. (Project Participant), Grum, M. (Project Participant), Neergaard Jacobsen, B. (Project Participant), Johansen, N. B. (Project Participant), Rasmussen, M. R. (Project Participant) & Ahm, M. K. S. (Project Participant)

Det Strategiske Forskningsråds programkomite for Energi og Miljø  
01/04/2008 → 31/03/2011

**The Sewer Research and Monitoring Station in Frejlev**

Thorndahl, S. L. (Project Participant) & Rasmussen, M. R. (Project Participant)  
19/05/2010 → ...

**Tyngdeflyderen / Tyngdeflyderen**

Rasmussen, M. R. (Project Participant) & Frigaard, P. (Project Participant)  
31/12/2003 → 31/12/2003

**Using in-sewer sensors for accurate weather radar adjustment**

Larsen, J. B. (Project Participant), Rasmussen, M. R. (Other), Grum, M. (Other) & Gill, R. (Other)  
01/07/2009 → 29/06/2012

**Weather Radar Nowcasting for Urban Drainage Applications**

Nielsen, J. M. (PI), Nielsen, J. E. (PI) & Rasmussen, M. R. (PI)  
01/12/2021 → 01/12/2024

**WWTP Process Tank Modelling: The Integration of Advanced Hydrodynamic and Microbiological Models**

Laursen, J. (Project Participant) & Rasmussen, M. R. (Project Manager)  
<ingen navn>  
01/09/2002 → 14/09/2007