

António J. Simões Ré, P. Eng., M. A. Sc.

Senior Research Officer

National Research Council of Canada – Institute for Ocean Technology

Profile

António holds a Bachelor of Engineering (Shipbuilding) from Memorial University and a Master's degree (Naval Architecture) from the Technical University of Nova Scotia. He is currently the Principal Investigator under NRC-IOT's Marine Safety research program. Over a 25-year career, his research work has covered a variety of disciplines including projects for the Hibernia and Terra Nova developments. His recent focus has been on escape, evacuation and rescue (EER) system performance for a variety of marine platform and ships. He has acted as an EER Technical Advisor for several energy developments in Arctic and harsh environments.

António has published extensively throughout his career in leading professional journals. He has presented at a number of international conferences and holds interests in several patents.

Professional Associations

Professional Member, Association of Professional Engineers of Nova Scotia.

Associate Member, Society of Naval Architects and Marine Engineers.

Professional Experience

- 2000 – present Sr. Research Officer, National Research Council of Canada – Institute for Ocean Technology. Development, implementation and management of the Institute's Offshore and Marine Safety Research Program. The program aims at providing objective, reliable data concerning particular aspects of evacuation, survival and rescue performance that can be used by designers, regulators, and others in their decision-making.
- 1993 – 2000 Associate Research Officer, National Research Council of Canada – Institute for Ocean Technology. Management of research projects aimed at evaluating the performance of lifeboats, liferafts, thermal manikins, personnel safety systems in full scale and model scale trials.
- 1989 – 1993 Completed Masters Program; Lecturer at Technical University of Nova Scotia
- 1986 – 1989 Assistant Research Officer, National Research Council of Canada – Institute for Ocean Technology. Member of team looking into the performance of different icebreaker hull designs, conducted experiments and reported the results.
- 1983 – 1986 Research Engineer, Newfoundland Oceans Research and Development Corporation (NORDCO) Ltd. Member of team developing ice-transiting bow and conceptual designs for marine support vessels.

Academic Credentials

Masters of Science (Naval Architecture), Technical University of Nova Scotia, 1994

Bachelor of Engineering (Shipbuilding), Memorial University of Newfoundland & Labrador, 1983

List of Patents & Publications

Patents

1. Finch, T., Veitch, B., Simões Ré, A., Janes, G., and Sullivan, M. 2003. Controlled Lifeboat Deployer. *US Patent No. 2003/0221605*.
2. Patterson, A, Simões Ré, A., Veitch, B., and Billard, R. 2003. Survival craft launch simulator. *Patent application submitted* (September 2003).

Note: The patent was withdrawn and in its place a “Disclosure” agreement put in place with IP license to Virtual Marine Technology Inc.

3. Lam, E., Dawe, J., Pelley, D., Simões Ré, A. and Veitch, B. 2003. Life craft / TEMPSC retrieval system (LTRS). *Patent application submitted* (March 2003).
4. Simões Ré, A. and Veitch, B. 2003. Life in a box: Modularised, enclosed safe refuge, muster, and evacuation station. *Patent application submitted* (January 2003).

Journal papers

1. Taber, M., Simões Ré, A., Power, J. 2010. A Preliminary Ergonomic Assessment of Piloting a Lifeboat in Ice. *Safety Science Journal*, p24. (*in press*)
2. Raman-Nair, W., Millan, J., Power, J., S., Simões Ré, A. 2009. Numerical Model of Towing Dynamics of a Long Flexible Liferaft in Irregular Waves. *Marine Technology Journal*, 46, p6.
3. Raman-Nair, W., Power, J., S., Simões Ré, A. 2008. Towing Dynamics of a Liferaft and Fast Rescue Craft in a Surface Wave. *Ocean Engineering Journal*, 14p.
4. Simões Ré, A., Veitch, B. 2007. A comparison of Three Types of Evacuation Systems. *Transactions, Society of Naval Architects and Marine Engineers*, 20 p.
5. Raman-Nair, W., Chin, S., Simões Ré, A. 2006. Numerical Model of a Marine Chute Evacuation System, *Ocean Engineering Journal*, 17 p.
6. Raman-Nair, W., Simões Ré, A. and Veitch, B. 2005. Dynamics of Lifeboat and Boom in Deployment from a Moving Support. *Multibody System Dynamics*, Vol.13, pg. 267-298.
7. Simões Ré, A., Veitch, B., and Pelley, D. 2002. Systematic investigation of lifeboat evacuation performance. *Transactions, Society of Naval Architects and Marine Engineers*, Vol. 110, 20 p.
8. Simões Ré, A. and Veitch, B. 2001. Experimental evaluation of lifeboat evacuation performance. *Transactions, Society of Naval Architects and Marine Engineers*, Vol.109, 18 p.

Other refereed contributions

1. Power, J., Simões Ré, A., Tipton, M. 2009. *Human thermal responses in wind and waves*. Proceedings 13th International Conference on Environmental Ergonomics. Boston, USA, Aug 2009, pp.5.
2. Simões Ré, A., Veitch, B. 2008. Escape-Evacuation-Rescue Response in Ice Covered Regions, 18th International Society of Offshore and Polar Engineering Conference, Vancouver, July 2008. 6pp.
3. Simões Ré, A., Veitch, B., Kuczora, A. 2008. Field Trials of an Instrumented Lifeboat in Ice Conditions, 18th International Society of Offshore and Polar Engineering Conference, Vancouver, July 2008. 6pp.

4. Simões Ré, A., MacKinnon, S., Veitch, B. 2008. Freefall Lifeboats: Experimental Investigation of the Impact of Environmental Conditions on Technical and Human Performance, 27th International Conference on Offshore Mechanics and Arctic Engineering, Lisbon, June 2008. 8pp.
5. A., Simões Ré, Veitch, B. 2007. Experimental Investigation of Freefall Lifeboat Performance, 17th International Offshore and Polar Engineering Conference, Lisbon, July 2007. 6pp.
6. Simões Ré, A., Veitch, B. 2007. Lifeboat Operational Performance in Cold Environments, Proceedings Design and Construction of Vessels Operating in Low Temperature Environments Conference, London, May 2007. 6 pp.
7. Simões Ré, A., Power, J., Kennedy, E., Kuczora, A., Akinturk, A., Veitch, B., MacKinnon, S., Brown R., Boone, J. 2007. Liferaft Performance in Wind and Waves: An Experimental Evaluation. Royal Institution of Naval Architects Conference on the Design and Operation of Passenger Ships, London, April 2007, 7pp.
8. MacKinnon, S., Massey, E.B., Petrie, L., E., Simões Ré, A. Power, Akinturk, A., Boone, J. 2007. Human Factors in ship Design, Safety and Operation, Proceedings of Human Factors in Ship Design, safety and Operation, London, April 2007. 7pp.
9. Simões Ré, A., Mak, L., Kennedy, E., Veitch, B., Sudom, D., Barker, A. 2006. Performance of Lifeboats in Ice, International Conference and Exhibition on Performance of Ships and Structures in Ice, Banff. 4pp.
10. Lau, M., Simões Ré, A. 2006. Performance of Survival Craft Designs in Ice Environments. International Conference and Exhibition on Performance of Ships and Structures in Ice, Banff. 8pp.
11. Mak, L., Simões Ré, A., Kuczora, A. 2006. Motion Response of a Full-Scale life Raft in Laboratory Tow Experiments. 2006. 25th International Conference on Offshore Mechanics and Arctic Engineering, Hamburg, Germany, June 2006, 8pp.
12. Raman-Nair, W., Billard, R., Veitch, B, Simões Ré, A. 2005. The trajectory of a Lifeboat in a Surface Wave. Canadian Marine Hydrodynamics Structures Conference, Halifax, 6 pp.
13. Bradbury, E., MacKinnon, S., Akinturk, A., Simões Ré, A., Boone, J. 2005. Effects of Motion Upon the Completion of Liferaft Management Tasks. 36th Annual Conference of the Association of Canadian Ergonomists, Halifax, Canada, 4 pp.
14. MacKinnon, S., Akinturk, A., Bradbury, E., Petrie, L., Boone, J., Simões Ré, A. 2005. Motion Sickness Incidence During Liferaft Research in Simulated Ocean Environments. 36th Annual Conference of the Association of Canadian Ergonomists, Halifax, Canada, 4 pp.
15. Caldeira-Saraiva, F., Gyngell, J., Galea, E., Carran A., Skjon, R., Wheeler, R., Johanson, K., Rutherford, B., Simões Ré, A. 2004. Simulation of Ship Evacuation and Passenger Circulation” International Maritime Conference on Design for Safety, Kobe, Japan, October 2004, 9 pp.
16. Gyngell, J., Galea, E., Carran A., Skjon, R., Wheeler, R., Johanson, K., Rutherford, B., Simões Ré, A. 2004. Ship Evacuation Simulation and Maritime Safety”, EMAR Conference, Nice, France, June 2004
17. Simões Ré, A., and Veitch, B. 2004. Evacuation Performance of Davit Launched Lifeboats, Proceedings, 23rd Offshore Mechanics and Arctic Engineering, 2004, Vancouver, 8 pp.
18. Brown, R. Igloliorte, Carran, A., Simões Ré, A. 2003. Advanced Ship Evacuation Simulation: Update and Preliminary Tests Results. 6th International Conference of the International Association for Safety and Survival Training, Lafayette, Louisiana, October.

19. Simões Ré, A., Lam, E., Igloliorte, G., and Veitch, B. 2003. Quantitative assessment of escape and evacuation. Proceedings, Royal Institution of Naval Architects, Passenger Ship Safety Conference.
20. Simões Ré, A. and Veitch, B. 2003. Performance limits of evacuation systems in ice. Proceedings, Port and Ocean Engineering under Arctic Conditions '03, Trondheim, 10 pp.
21. Simões Ré, A. and Veitch, B. 2001. Lifeboat evacuation performance benchmarks. The 2000 RINA Safer Ship Competition. Royal Institution of Naval Architects, London, 30 p. (Also published as *IR-2000-12*, Institute for Marine Dynamics, St. John's).
22. Simões Ré, A. and Veitch, B. 2000. Lifeboat evacuation performance in a range of environmental conditions, Proceedings, Major Hazards Offshore: Practical Safety Implications, London.
23. Paterson, R. B., Hardiman, K. C., McKenna, R. F., Simões Ré, A. J., Radloff, E., "An Investigation of Liferaft Performance and Recovery Systems in Extreme Seas", The Royal Institution of Naval Architects Safety Committee, International Conference, ESCAPE, EVACUATION & RESCUE Design for the Future, October 1996, London.
24. Sowood, P., Brooks, C., Simões Ré, A. J., McKenna, R. F., "How Should Immersed Dry Suit Insulation be Measured?". Environmental Ergonomics Conference, September 1994, Montreal, Quebec, Canada.
25. Molyneux, D., Simões Ré, A. J., Hermanski, G., Skrzypczak, M., "Wave Loads on the Bow Visor of a Canadian Ferry", Canadian Hydromechanics and Structures Conference, July 1999, St. John's, Newfoundland, Canada
26. Simões Ré, A. J., "Model Scaling Effects on the measurement of Wave Pattern Resistance by the Longitudinal Cut Method", Master Thesis, March 1994, Halifax, Nova Scotia, Canada.
27. Simões Ré, A. J., McKenna, R. F., Spencer, D., "Esperanto Survival Capsule: Results of Experiments in Calm Water and Waves", 31st SAFE Symposium, November 1993, Las Vegas, Nevada, USA.

Non-refereed contributions

1. Simões Ré, A. 2008. Overview of the Marine Safety Research Program. Professional Engineers and Geoscientist of Newfoundland and Labrador Eastern Chapter meeting, Invited Speaker, St. John's, NL, 29 slides.
2. Simões Ré, A., Veitch, B., 2007. Experimental Evaluation of Lifesaving Appliances. Proceedings, Canadian Marine Hydromechanics and Structures Conference, St. John's, NL, 6pp.
3. Power, J, Kennedy, E., Simões Ré, A., 2006. The Operational Performance of Commercially Available Liferrafts in Tow and Drift Conditions. SARSCENE 2006, Invited speaker, Gatineau, QC, 36 slides.
4. Simões Ré, A., Veitch, B., 2006. The Effects of Weather on Evacuation Systems. Ocean Innovation 2006: Managing Maritime Emergencies Conference, Invited speaker, St. John's, NL, 25 slides.
5. Boone, J., Brown, MacKinnon, S., Simões Ré, A., Kuczora, A. 2006. Towing Performance of Small, Medium and Large Inflatable Liferrafts in Moderate Weather Conditions. 7th International Conference of the International Association for Safety and Survival Training, Sibenik, Croatia, October.

6. Simões Ré, A., Veitch, B., 2006. Systematic Investigation of Freefall Lifeboat Evacuation Performance. International Maritime Organization – Fire protection Session, Keynote speaker, London, UK, 23 slides.
7. Simões Ré, A., Veitch, B., and Pelley, D. 2003. Evacuation performance. Proceedings, Offshore Technology Conference, Houston, 9 pp.
8. Veitch, B., Pelley, D. and Simões Ré, A. 2002. Offshore evacuation system performance in extreme seas. Invited presentation, Canadian Offshore Resources Exhibition and Conference, Halifax.
9. Pelley, D., Simões Ré, A., Veitch, B. 2002. Evacuation by lifeboat in extreme seas. *Proceedings, Safety at Sea Conference*, Amsterdam, 17pp.
10. Woolgar, R., Simões Ré, A., Veitch, B., and Pelley, D. 2002. Safe evacuation from offshore petroleum installations. Proceedings, Offshore Technology Conference, Houston, 10 pp.
11. Veitch, B. and Simões Ré, A. 2002. Evacuation Performance Benchmarks. Presentation, Response to Marine Emergencies in Hostile Environments, International Association of Safety and Survival Training, St. John's.
12. Simões Ré, A., Pelley, D., Veitch, B. 2002. Evacuation by TEMPSC. *Proceedings, Offshore Emergencies*, Aberdeen, 15 p.
13. Simões Ré, A. and Veitch, B. 2002. Lifeboat evacuation performance benchmarks. Proceedings, Canada-Brazil Health, Safety, and the Environment in the Offshore Oil & Gas Industry Seminar & Workshop, Rio de Janeiro, 20 p.
14. Simões Ré, A. and Veitch, B. 2002. Escape, Evacuation, and Rescue. Presentation, EER Performance Based Standards Workshop, St. John's.
15. Simões Ré, A. J., "Evacuating Offshore Structures", The Safety at Sea and Marine Electronics Exhibition and Conference, SASMEX 1997, April 1997, Baltimore, USA.

Technical reports

1. Power, J., Simões Ré, A. 2010. Human Performance in Immersion Suits. TR-2010-12, Institute for Ocean Technology, St. John's, 31 pp.
2. Simões Ré, A., Oxford, L. 2009. Lifeboat Release Mechanism Tests. TR-2009-23, Institute for Ocean Technology, St. John's, 44 pp.
3. Simões Ré, A. 2009. Rescue and Recovery of Evacuees Study. SH1-30-0940-000046, Shtokman Development AG, Paris, France, 21 pp.
4. Simões Ré, A. 2009. Evacuation Base Case Decision Report. SH1-30-0940-000035, Shtokman Development AG, Paris, France, 25 pp.
5. Simões Ré, A. 2009. Safety Critical Systems Performance Standards for SDAG's Offshore Operational Support Including Emergency Response. SH1-30-0940-000032, Shtokman Development AG, Paris, France, 45 pp.
6. Simões Ré, A. 2009. Offshore Emergency Response Philosophy Report. SH1-30-0940-000025, Shtokman Development AG, Paris, France, 29 pp.
7. Simões Ré, A., Kuczora, A., Kennedy, E., Power, J., Oxford, L. 2009. Freefall Lifeboat: Speed Made Good in Different Weather Conditions. TR-2009-21, Institute for Ocean Technology, St. John's, 64 pp.
8. Simões Ré, A., 2009. Workshop on "Arctic Lifeboat". TR-2009-20, Institute for Ocean Technology, St. John's, 20 pp.

9. Power, J., Simões Ré, A., and Tipton, M. 2009. The evaluation of human thermo-regulatory responses to varying weather states. TR-2009-18. Institute for Ocean Technology, St. John's, 40 pp.
10. Simões Ré, A., Veitch, B., Power, J. 2009. Operational Safety Offshore Arctic: Emergency, Escape, Evacuation and Rescue (EER). TR-2009-17, Institute for Ocean Technology, St. John's, 49 pp.
11. Power, J., Simões Ré, A. 2008. The Evaluation of Human Thermal Response in Wind and Waves. TR-2008-10, Institute for Ocean Technology, St. John's, 38 pp.
12. Power, J., Simões Ré, A. 2007. Assessment of the Performance of 1:7 Scale Model Liferrafts under Tow by a Carriage and a Fast Rescue Craft. TR-2007-23, Institute for Ocean Technology, St. John's, 49 pp.
13. Power, J., Simões Ré, A. 2007. Effects of Wind, Waves and Current on Tow Loads Generated by a 1:7 Model and Full Scale Liferrafts. TR-2007-24, Institute for Ocean Technology, St. John's, 22 pp.
14. Power, J., Mak, L., Simões Ré, A. 2006. Assessment of Liferaft Performance in Regular Waves using 1:7 Scaled Models. TR-2006-09, Institute for Ocean Technology, St. John's, 50 p.
15. Mak, L., Kuczora, A., Simões Ré, A. 2006. An Empirical Method for the Estimation of Towing Resistance of a Liferaft in Various Sea States. TR-2006-01, Institute for Ocean Technology, St. John's, 40 p.
16. Veitch, B., Simões Ré, A., and Pelley, D. 2006. Marine Evacuation Concept – Caspian Seals. *Oceanic Consulting Corporation Report KCO003-02* for AGIP Kazakhstan North Caspian Operating Company (confidential), 95 pp.
17. Simões Ré, A., Hopkins, D., Veitch, B., Kennedy, E. 2005. Phase IV: TEMPSC Rescue Performance – Survivability and Rescue. TR-2005-13, Institute for Ocean Technology, St. John's.
18. Simões Ré, A., Veitch, B., Kennedy, E. 2005. Phase III: Evacuation Systems Performance – Freefall. TR-2005-12, Institute for Ocean Technology, St. John's.
19. Mak, L., Simões Ré, A., Kuczora, A. 2005. Motion Response of a Full-Scale Life Raft in Laboratory Tow Experiments. TR-2005-11, Institute for Ocean Technology, St. John's, 63 pp.
20. Mak, L., Simões Ré, A., Sullivan, M., Kennedy, E. 2005. Assessment of Totally Enclosed Propelled Survival Craft (TEMPSC) Hull Design Performance in Ice Covered Waters. TR-2005-06, Institute for Ocean Technology, St. John's, 34 pp.
21. Chueng, B., Brooks, C., Simões Ré, A., Hofer, K. 2004. Effects of Sea Motion on the Crew of the Petro-Canada FPSO (Floating, Production, Storage and Offloading) Vessel. TR-2004-117 Defence Research and Development Canada (DRDC), Toronto, 62 p.
22. Barker, A. Simões Ré, A., Walsh, J., Kennedy, E. 2004. Model Testing of an Evacuation System in Ice-Covered Waters with Waves. CHC-TR-25, Canadian Hydraulics Centre, Ottawa, 46 pp.
23. Simões Ré, A. and Veitch, B. 2003. Evaluation of evacuation systems proposed for Sakhalin Energy Investment Company's Lunskeye A and Pitlun B platforms. For Oceanic Consulting Corporation (confidential), 24 pp.
24. Boone, J., Dawe, J., Simões Ré, A., Veitch, B. 2003. Full Scale Trials of Evacuation Systems, TR-2003-11, Institute for Marine Dynamics, 30 pp.

25. Simões Ré, A., Elliot, B., Veitch, B., and Mulrooney, S. 2003. Model testing of an evacuation system in ice covered water. *TR-2003-3*, Institute for Marine Dynamics, St. John's, 25 pp.
26. Simões Ré, A., Veitch, B., Pelley, D., Mulrooney, S., and Hopkins T. 2003. Systematic Experimental Evaluation of Lifeboat Evacuation Performance in a Range of Environmental Conditions – Phase II. *TR-2003-2*, Institute for Marine Dynamics, St. John's, 29 pp.
27. Veitch, B. and Simões Ré, A. 2003. Assessment of hazards and means of evacuation – White Rose case study. For *Oceanic Consulting Corporation* (confidential), 15 pp.
28. Pelley, D., Coffey, R., Mulrooney, S., Ledwell, E., Veitch, B. and Simões Ré, A.J. 2002. Systematic experimental evaluation of lifeboat evacuation performance in extreme weather conditions - Phase II. *TR-2002-19*, Vol. I, Institute for Marine Dynamics, St. John's, 32 pp.
29. Veitch, B. and Simões Ré, A. 2002. Performance guidelines for marine evacuation systems on offshore petroleum installations. *OERC-2002-07*, Ocean Engineering Research Centre, Memorial University of Newfoundland, for the Department of Industry, Trade and Rural Development, Government of Newfoundland and Labrador, 30 pp.
30. Simões Ré, A., Veitch, B., Pelley, D., Sullivan, M., and Colbourne, B. 2002. Systematic experimental evaluation of lifeboat evacuation performance in a range of environmental conditions - Phase I. *TR-2002-02*, Vol.3, Institute for Marine Dynamics, St. John's, 72 pp.
31. Simões Ré, A., Veitch, B., Pelley, D., Sullivan, M., and Colbourne, B. 2002. Systematic experimental evaluation of lifeboat evacuation performance in a range of environmental conditions - Phase I. *TR-2002-02*, Vol.2, Institute for Marine Dynamics, St. John's, 68 pp.
32. Simões Ré, A., Veitch, B., Pelley, D., Sullivan, M., and Colbourne, B. 2002. Systematic experimental evaluation of lifeboat evacuation performance in a range of environmental conditions - Phase I. *TR-2002-02*, Vol.1, Institute for Marine Dynamics, St. John's, 31 pp.
33. Veitch, B., Simões Ré, A., Hawboldt, K., Spencer, D., and Pelley*, D. 2001. Evaluation of escape evacuation and rescue for Kashagan East. Oceanic Consulting Corporation Report KCO001-01 for AGIP Kazakhstan North Caspian Operating Company (confidential), 23 pp.
34. Simões Ré, A., Veitch, B., Sullivan, M., and Colbourne, D.B. 2000. FPSO evacuation system performance in a range of environmental conditions. *TR-2000-07*, Institute for Marine Dynamics, St. John's, 73 pp.+ appendices. Also published as Transport Canada TP 13825E.
35. Simões Ré, A., Veitch, B., and Newbury, S. 2000. Offshore evacuation systems - summary report. *TR-2000-10*, Institute for Marine Dynamics for Transportation Development Centre, St. John's.
36. Simões Ré, A. J., Sullivan, M., Colbourne, B., Dawe, J., "Model Testing of the ProD Evacuation System on the Terra Nova FPSO", *TR-2000-02*, February 2000.
37. Simões Ré, A., Veitch, B., and Newbury, S. 1999. Workshop on escape, evacuation, and rescue in the offshore industry. Institute for Marine Dynamics, St. John's, 19 p.
38. Simões Ré, A. J., Veitch, B., Newbury, S., "Offshore Evacuation Systems Summary Report", March 1999
39. Simões Ré, A. J., Sullivan, M., Mesh, H., Pelley, D., "Sea Water Instrumented Mannequin (SWIM) Preliminary Experiments", *TR-1999-06*, May 1999
40. Colbourne, B., Simões Ré, A. J., Drodge, R., Sullivan, M., "The Terra Nova Floating Production Storage and Offloading Vessel: Terra Nova FPSO and Spider Buoy Model Tests", *TR-1999-01*, January 1999
41. Simões Ré, A. J., Drodge, R., Colbourne, B., Sullivan, M., "The Terra Nova Floating Production Storage and Offloading Vessel: Vessel Response Model Tests", *TR-1998-20*, December 1998

42. Simões Ré, A. J., "MAC200 Immersion Suit Evaluation in Waves using Human Subjects and Thermal Mannequin", TR-1997-30, October 1997
43. Simões Ré, A. J., "The Terra Nova Floating Production Storage and Offloading Vessel: Open Water Experiments", TR-1997-28, November 1997
44. Simões Ré, A. J., Vaughan, B., Millan, J., "Gyrosphere Lifecraft Concept Model Experiments", TR-1997-21, July 1997
45. Simões Ré, A. J., "Comparative Physical Model Study of Offshore Evacuation Systems", TR-1996-24, November 1996.
46. Waclawek, P., Simões Ré, A. J., "Maritrans: Directional Stability Model Tests on an Articulated Tug-Barge", TR-1996-12, May 1996.
47. Pallard, R., Parsons, B. P., Simões Ré, A. J., Slade, T., "48 m LWL Power Yacht", TR-1996-04, February 1996.
48. Simões Ré, A. J., Hermanski, G., "The Effects of Sponsons and Bow Bulbs on Powering and Motions of the Concept Design of an Icebreaking Passenger and Automobile Ferry", TR-1995-43, August 1995.
49. Simões Ré, A. J., Mesh, H., Wallace, A., "Inter-Tank Data Comparison", LM-1995-10, May 1995.
50. Simões Ré, A. J., Mesh, H., Wallace, A., "Full Form Bulk Carrier Bow Variations: Results of Resistance, Propulsion and Propeller Open Water Experiments", TR-1995-17, April 1995.
51. Simões Ré, A. J., Hermanski, G., Pallard, R., Waclawek, P., Wallace, A., Winsor, F., "Container Ship Lengthening Study: Speed and Power, Manoeuvrability and Motion Predictions", TR-1995-21, March 1995.
52. McKenna, R. F., Simões Ré, A. J., "Immersion Suit Trials in Waves Using Human Subjects and a Thermal Manikin", TR-1995-05, January 1995.
53. Cumming, D., Simões Ré, A. J., Hermanski, G., Waclawek, P., "Results of Powering, Flow Visualization, Manoeuvring and Seakeeping Experiments of a Hydrographic Ship Design", TR-1994-25, November 1994.
54. Simões Ré, A. J., Lindstrom, T., McKenna, R. F., "Seascape Deployment System Full Scale Experiments", TR-1994-20, September 1994
55. Simões Ré, A. J., McKenna, R. F., "Dry Suit Insulation Loss in Waves Using a Thermal Instrumented Manikin", TR-1994-03, March 1994.
56. Simões Ré, A. J., McKenna, R. F., Spencer, D., "Esperanto Survival Capsule: Results of Experiments in Calm Water and Waves", TR-1993-11, June 1993.
57. Molyneux, D., Simões Ré, A. J., "Seagoing Buoy Tender Final Design: Results of Resistance, Self-Propulsion and Wake Survey Experiments", TR-1993-10, July 1993.
58. Molyneux, D., Simões Ré, A. J., "Maritime Coastal Defence Vessel: Results of Experiments to Investigate the Effect of Trim on Resistance", TR-1993-08, April 1993.
59. Simões Ré, A. J., Everard, J. Mesh, H. C., Wallace, W., "M421 - DREA Frigate Hull Form Design: Results of Model and Appendages Accuracy Check", TR-1992-18, December 1992.
60. Simões Ré, A. J., Everard, J., Mesh, H. C., Wallace, W., "M421 - Frigate Hull Bow and Stern Variations: Results of Model Tests in Calm Water", TR-1992-17, December 1992.
61. Molyneux, D., Cumming, D., Datta, I., Hermanski, G. Simões Ré, A. J., "Maritime Coastal Defence Vessel: Results of Powering Flow Visualization and Controllability Experiments", TR-1992-11, August 1992.

62. Simões Ré, A. J., Mesh, H., "Scan Marine Canadian Patrol Frigate Design Revised Stern Configuration, Model 6001A: Results of Experiments in Calm Water", TR-1992-02, May 1992.
63. Simões Ré, A. J., Spencer, D., Mesh, H. C., "Marine Atlantic Ferry Straitway II: Flow Visualization, Propulsion and Propeller Open Water Experiments with Model 453", TR-1991-18, December 1991.
64. Spencer, D., Simões Ré, A. J., "Model Resistance and Propulsion Tests of a 1:30 Scale Ferry Straitway II in the Ice Tank", TR-1991-17, December 1991.
65. Simões Ré, A. J., "Marine Atlantic Ferry Straitway II: Resistance Experiments with Model 453", TR-1991-06, September 1991.
66. Molyneux, D., Simões Ré, A. J., "Recent Developments in Model Experiment Techniques for Large Icebreakers", IR-1990-08, March 1990.
67. Simões Ré, A. J., "The Canadian Coast Guard R-Class Icebreaker: Results of Experiments in Calm Water and Waves", TR-1989-02, June 1989.
68. Simões Ré, A. J., "ODEN II: Results of Calm Water and Waves Experiments", TR-HYD-32, December 1988.
69. Molyneux, D., Simões Ré, A. J., Spencer, D., Hardiman, K., Winsor, F. N., "Polar 8 Detail Design Phase: Results of Experiments in Open Water and Ice with Designs D", TR-HYD-28 Volumes 1 & 2, June 1988.
70. Molyneux, D., Simões Ré, A. J., Spencer, D., Carrol, D., Winsor, F. N., "Polar 8 Concept Design Phase: Results of Experiments in Open Water and Ice with Designs A, B and C", TR-HYD-24, March 1988.
71. Simões Ré, A. J., "Propeller 90: Propeller Open Water Experiments", TR-HYD-17, August 1987.
72. Simões Ré, A. J., Pallard, R. L., "DDH 280: Comparison of Resistance Experiments for a Hard Chine and Round Bilge Designs", TR-HYD-16, June 1987.
73. Molyneux, D., Simões Ré, A. J., Winsor, F. N., "33.5 m Longliner: Results of Experiments in Calm Water and Waves with Model 399A and 399B", TR-HYD-10, March 1987.
74. Molyneux, D., Simões Ré, A. J., "Louis St. Laurent: Results of Experiments with Models 395A/B/C in Calm Water and Irregular Waves", TR-HYD-07, January 1987.
75. Fudge, G., Simões Ré, A. J., "CASE Model Tests", TR-HYD-05, September 1986.
76. Murdey, D. C., Simões Ré, A. J., "The NRC Hull Form Series - An Update", RR-HYD-06, October 1985.
77. Hermanski, G., Lindstrom, T., Savage, G., Simões Ré, A. J., "Investigation into the Design and Improvement of Ice Capable Fishing Vessels of the Deep Sea Stern Trawler Class", LM-HYD-18, October 1985.
78. Murdey, D. C., Simões Ré, A. J., "The NRC Hull Form Series - An Update", Workshop on Hull Form Design, October 1985, Wageningen, Netherlands.
79. Murdey, D. C., Simões Ré, A. J., "Hull Form Series for Fast Surface Ships Summary of Resistance Data", LTR-SH-386, February 1985.
80. Simões Ré, A. J., "Hull Form Series for Fast Surface Ships Part 24: Results of Resistance Experiments with Models 353A, 354A and 372A", LTR-SH-377, July 1984.
81. Simões Ré, A. J., "Hull Form Series for Fast Surface Ships Part 21: Results of Seakeeping Tests with Models 274B and 277B", LTR-SH-371, May 1984.

82. Simões Ré, A. J., "Hull Form Series for Fast Surface Ships Part 22: Results of Seakeeping Tests with Models 280B, 282B, 284B and 286B", LTR-SH-370, May 1984.
83. Simões Ré, A. J., "Hull Form Series for Fast Surface Ships Part 21: Results of Seakeeping Tests with Models 274B and 277B", LTR-SH-369, May 1984.