PUBLICATIONS IN DISCIPLINE

- **Author.** [Booklet]. Study material of mathematical (Part I) 1981. Published by Rebellious Youth. In Spanish. Cuba.
- Author. [Text Book]. "Mathematics" (1984). Editorial: People and Education. In Spanish. Cuba.
- Author. [Book]. Course for primary teachers. Guide to study (1983). In Spanish. Cuba.
- **Author.** [Non-INDEXED] Methods of Solution of non-linear flow equation in an unsaturated aquifer (July 1988).
 - Memoirs of the XIII Latin American Congress of Hydraulics.
- Author. [INDEXED] Mathematics in the profile of the Constructions (article) (January 1989).
 Magazine of Hydraulic Engineering. ISSN 0253-0678. Cuba.
- Author. [INDEXED] Package of programs "OLAS" (1990).
 Journal of hydraulic Engineering. Cuba. Cybernetics. ISSN 0253-0678. Cuba.
- **Author.** [INDEXED] Generation of superficial and interiors wave due to presence of submarine bed. Journal of Mathematics and Cybernetics (1992). ISSN 0138-8916. Cuba.
- **Authors.**[INDEXED] R. P. Bonet, Nigro N., Storti M. A., "Solution of the equation of Berkhoff with approximates radiation conditions".
- International Journal of Numerical Methods in Engineering Volume 13, 4, 547-557 (1997).ISSN0213-1315 in Spanish.
- **Authors.** [INDEXED] R. P. Bonet, Nigro N., Storti M.A., Idelsohn S.R. "Non-local Discrete Absorbing Condition (DNL) in Finite Differences for Elliptic Water Waves Models", Vol. 14, 4, 481-500, RIMNE (1998). ISSN0213-1315-in Spanish
- **Authors. [INDEXED]** R.P. Bonet, Nigro N., Storti M.A., Idelsohn S.R. "Non-local Discrete Absorbing Condition (DNL) in Finite Elements for Elliptic Water Waves Models", Vol. 15, 1, 3-18, RIMNE (1999), ISSN0213-1315-in Spanish
- **Authors.** [INDEXED] R. P. Bonet, Nigro N., Storti M. A., Idelsohn S.R. "A Discrete Non-local Absorbing Boundary Condition for External Problems governed by Helmholtz Equation", International Journal for Numerical Methods in Fluids, Vol. 29, pages 605-621 (1999).
- Authors. [INDEXED] R. P. Bonet, Nigro N., Storti M. A., Idelsohn S. R. "A Non-local Discrete (DNL) Outgoing Boundary Condition for Diffraction of Surface Waves:, Communications in Numerical Methods in Engineering, Vol.14, pages 849-861 (1998).
- **Authors.** [INDEXED] R. P. Bonet, Nigro N., Storti M.A., Idelsohn S. R. "Non-reflective Planar Boundary Condition based on Gaus filter", IJNME, Vo. 47, pages 969-983 (2000).
- **Aurhors.** [Technical Report] R. P. Bonet, Nigro N., Storti M.A., Idelsohn S. R. "On the stability of β-FEM for the shallow water equations. Technical Report. CIMEC, pages 1-12, (2000).
- Authors. [INDEXED] M.A. Storti, J. D'Elia, R.P.Bonet, N.M. Nigro, S.R. Idelsohn "The DNL Absorbing Boundary Condition: Applications to Wave Problems", Computer Methods in Applied Mechanics and Engineering 182 (3-4) (2000) pages 483-498.
- **Authors.** [Technical Report] R.P. Bonet, N. Nigro, M Storti and S. Idelsohn. "Non-viscid flow in open channels with lateral contraction". Technical Report, CIMEC-UNL, pages 1-8, (2001).
- **Author.** [Technical Report] R.P. Bonet. "Stabilized Element Methods for Transport Equations", Technical Report, Barcelona, April 15, (2004).
- **Authors.** [INDEXED] R.P. Bonet, N. Nigro, M Storti and S. Idelsohn. "Strategies to Accelerate the Convergence of the Method DNL Circular", RIMNE, Vol. 16, 343-358 (2000)
- ISSN: 0213-131-in Spanish
- **Author.** [Non-INDEXED] R.P. Bonet. Lectures on Environment "Scattering on Long Waves. Numerical Aspect", 98-115, Published by CIMNE, (2005).
- Author. [INDEXED] R.P. Bonet. "Numerical Solution of Refraction-diffraction of Surface Waves",
- RIMNE, Vol. 21 (2), pages 143-168, (2005). ISSN: 0213-1315-in Spanish.
- **Author. [INDEXED]** R.P. Bonet. "Local Absorbent Boundary Conditions to Berkhoff Equitation over a General Shape boundary", RIMNE, Vol. 21(1), pages 103-133, (2005). ISSN: 0213-1315- In Spanish.
- **Author.** [Technical Report] R.P. Bonet. "Numerical Stabilization of Convection-diffusion-reaction Problems", Technical Report 06-03 ISSN 1389-6520, Delft, pages 1-19, (2006).
- **Author.** [INDEXED] R.P. Bonet. "Refraction and Diffraction of Water Waves using finite elements with a DNL boundary condition". Ocean Eng. Journal ,63, pages 77-89, (2013).
- Author [INDEXED] Ruperto P. Bonet A parametric method for the shallow water equations

(89-102). Journal of Magazine of the Sciences. ISSN 2528-8091. Vol1. No 4, October-December 2016 **Author** [Book] Ruperto P. Bonet. Mathematics I. Editorial Iberoamerican Universitary Foundation. ISBN 978-84-9079-205-6. Jul 2016. 438 pages. Spain-In Spanish.

CONGRESS and CONFERENCES

- Speaker. Internal and Surface Waves by the Presence of Underwater Channels. COMAT '93. Matanzas, Cuba. 1993.
- Speaker. Asymptotic Methods for the Propagation of Water Waves. IX ENIEF. San Carlos de Bariloche, Argentina, 1995. Published in the proceedings Memory from IX Congress. Authors: R.P. Bonet, Mario A. Storti
- Speaker. Solution of Berkhoff Equation with Approximate Radiation Boundary Conditions. MECOM V. San Miguel de Tucumán, Argentina (September 1996). Published in the proceedings Computation Mechanics. Volume XVI, pages 245-254. Editors: Guillermo Este y Bibiana Luccioni.
- Speaker. Open Boundary Conditions for Water Waves Propagation Elliptic Models. CIMAF '97. IV Symposium of Mathematics. Havana, Cuba (24-28 march 1997). (Poster). Not Published. Authors R. P. Bonet, Nigro N., Storit M. A.
- Speaker. Discrete Non-Local Absorbing Boundary Condition for Elliptic Models of Water Waves Propagation. X ENIEF. Congress on Numerical Methods and its Applications, ENIEF '97. San Carlos de Bariloche, Argentina (November 1997). Published in the proceedings Computation Mechanics, Volume XVIII, pages 23-32. Editors: E. Dari, C. Padra y R. Silba. Authors: R. P. Bonet, Norberto Nigro, Mario A Storti, Sergio Idelsohn.
- Speaker at keynote lecture. The Discrete Non-Local (DNL) Radiation Boundary Condition. X ENIEF. Congress on Numerical Methods and its Applications, ENIEF '97. San Carlos de Bariloche, Argentina (November 1997). Computational Mechanics. Volume XVIII, pages 143-152. Editors: E.Dari, C. Padra, and R. Silba. Authors: M. Storti, J. D'Ellia, R. P. Bonet and S. Idelsohn.
- Speaker. A Discrete Non-Local (DNL) boundary Condition for Elliptic Harbor Wave Models. First International Conference on Applied Engineering to Development of harbor and Marine Waves. Santa Fe, Argentina (June 1998) Not Published. Authors: R. P. Bonet, Norberto Nigro, Mario A. Storti, and Sergio R. Idelsohn.
- Speaker. The Discrete Non-Local (DNL) Outgoing Boundary Condition for Water Wave Radiation and Scattering. IV WCCM (World congress). Buenos Aires, Argentina (June 29 July 2, 1998). Authors: R.P. Bonet, Norberto Nigro, Mario A Storti, and Sergio R. Idelsohn.
- Participant. XII national Congress of Water and Second Symposium of Water Department from South Cone. Santa Fe, Argentina (3-7 August 1998).
- Speaker. The Discrete Non-Local DNL sponge Filter as Outgoing Boundary condition for Water Wave Radiation and Scattering. Eighth Chilean Congress of Mechanic Engineering, University of Concepcion, Faculty of Engineering, Department of Mechanical Engineering, Chile (October 27-30, 1998). Published in the proceedings Records Eight Chilean Congress of Mechanical Engineering. Volume II, page 1003-1008) Chile. Authors: R. P. Bonet, Norberto Nigro, Mario A. Storti, and Sergio R. Idelsohn.
- Speaker. Finite Elements in Unbounded Domain for Water Waves Refraction-diffraction Problems. PACAM VI (Applied Mechanics in the Americas). Rio de Janeiro, Brazil
- (January 4-8, 1999). Published in the proceedings Sixth Pan-American of Applied Mechanics and Eight International Conference on Dynamic Problems in Mechanics, volume 6, page 401-404. Authors: R. P. Bonet, Nigro N., Storti M.A, Idelsohn S.
- Speaker. A Filtering Layer to Acoustic Waves MECOM 99. Mendoza, Argentina (6-10 September 1999). Published in the proceedings from Sixth Computational Mechanics Congress. Authors R.P. Bonet, Nigro N., Storti A., Idelsohn S
- Participant. Circular DNL Method for Elliptic Harbor Wave Models. XX CILAMCE. Sao Paulo, Brazil (1999). Published in the proceedings from 20th Iberian Latin-American Congress on Computational Methods in Engineering XX CILAMCE, Sao Paulo, Brazil (November 5, 1999). Book: Abstracts edited by Paulo M. Pimienta, Reyolando M.LR.F. Brazil, Edgard S. Almeida Neto. Authors: R. P. Bonet, Norberto Nigro, Mario A. Storti, and Sergio R. Idelsohn.
- Participant. A New Way to Solve Discrete Equations System. ECCOMAS 2000. Barcelona, Spain (September 10-14, 2000). Publication Ref. Number: CMNM 161 (in Conference Proceedings). Authors: R.P. Bonet, Norberto Nigro, Mario A. Storti, Sergio Idelsohn.
- Speaker. A Filtering Layer to Absorbing Water Waves. XIX Latino-American Hydraulic Congress. Cordoba, Argentina (October 22-27, 2000). Published in the proceedings. Authors: R. P. Bonet, Norberto Nigro, Mario A. Storti, Sergio Idelsohn.
- Speaker. An Explicit Scheme for the Numerical Solution of the Shallow Water Equations. ENIEF2000. Bariloche, Argentina (November 20-24, 2000). Published in the proceedings. Authors: R. P. bonet, Norberto Nigro, Mario A. Storti, Sergio Idelsohn.
- **Participant.** Congress of the Argentinean Mathematical Union. LI Annual Meeting of Sciences Communication. National University of San Luis, Argentina (Sept. 17-21, 2001).
- Speaker. A stabilized Finite Element Method for the Shallow Water Equations Using a Finite Increment Calculus Formulation. IN-MAT. Buenos Aires, Argentina (November 7-9, 2001). Published in the proceedings. Authors: R. P. Bonet, Eugenio Oñate.
- Participant. Second International Congress on Numerical Methods in Engineering and Applied Sciences. Guanajato, Mexico (January 17-19, 2002).
- Speaker. Outgoing Boundary conditions on a Non-circular Open Boundary for Elliptic Harbor Wave Models. VII International Conference on Advances in Turbulence. Barcelona, Spain (21-23 November 2003). Author: R.P. Bonet
- Speaker. A comparison of Outgoing Boundary Conditions Strategies for Elliptic Harbor Waves Models. Eccomas04. Jyvaskila Faculty of Engineering, Finland (2004).

Author: R.P. Bonet.

- Speaker. An Extended Elliptic Water Waves Model to Simulate Waves in Harbors. Marine 2005. Oslo, Norway (June 27-30, 2005). Published in the proceedings Computational Methods in Marine Engineering. Pages 455-46. ISBW: 84-95999-63-3. Organized by CIMNE/Det Norske Veritas. Author: R. P. Bonet
- Speaker. Numerical Simulation of Wave Propagation in Toulon Bay. Waves 2005. Madrid, Spain. (July 3-7, 2005). Published in the proceedings Waves 2005, NIPO163-05-009-006. Organized by CEDX/IACHR. Authors: R.P. Bonet and José María Redondo.
- Speaker. Numerical Solution of an Unbounded Wave Guide Problem. IABEM 2006. Graz. Austria (July 10-12, 2006). Published on CD: ISBN: 3-902465-23-9. Organized by Graz University of Technology. Author: R. P. Bonet.
- Participant. A domain Decomposition Approach to Computer Wave Refraction-diffraction. ECCOMAS CFD 2006. Egmond aan Zee, The Netherlands, (September 5-8, 2006). Published in the proceedings. Organized by Delft University.
- Participant. Real Analysis and Approximation Theory. Congress in memory to Felipe Zó. November 2, 2010. National University of San Luis.
- Speaker. Improved discrete non-local absorbing boundary condition for Helmholtz equation. Applications to unbounded Wave Problems. IIIMACI 2011. Vol. 3 pages 267-270. White Bay, Argentina (9-11 May 2011). Organized by University of South. Author: R. P. Bonet.
- Speaker. Residual Discrete Non-Local Method for Waves Radiation and Scattering Problems. IV CLAM. Córdoba, Argentina. (August 6-10, 2012). Organized by National University of Córdoba
- Participant. First Congress of integration between university and the productive society. October 15-16, 2012. San Luis. Argentina.
- Participant. IV MACI 2013. May 2013. Organized by the National Technological University (UTN) Buenos Aires. Argentina.
- Participant. Biz Barcelona (May30-31,2015) Barcelona. Spain
- Participant. Biz Barcelona (May 30-31,2018) Barcelona. Spain
- Participant. AI & BigData Expo Global 2019. Olimpia Grand, London (25-26 April /2019)