

## **Renan Gustavo Pacheco Soares**

+55 (87) 99959-2626 - [renangpsoares@hotmail.com](mailto:renangpsoares@hotmail.com)

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### **Educational Qualifications:**

Doctorate degree (in course) in Civil Engineering, Structures, Federal University of Pernambuco, Brazil (2017/2023);

Master of Science degree in Civil and Environmental Engineering, Structures and Materials, Federal University of Pernambuco, Brazil (2015/2017);

Specialist in Teaching Mathematics, University of Pernambuco, Brazil (2010/2011);

Bachelor's degree in Civil Engineering, Higher Education Autarchy of Garanhuns, Brazil (2010/2015);

Bachelor's degree in Mathematics, University of Pernambuco (2006/2010);

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### **Professional Experience:**

Civil Engineer in Brazil: CREA: PE59785 – RNP: 181498964-1. Structural area: Reinforced concrete, steel and timber design, forensic engineering (2015-currently);

Effective professor of the Higher Education Autarchy of Garanhuns (AESGA), acting in the structure and stability of buildings, steel and timber structures (2018-currently);

Researcher: line of research in the structural analysis, finite element method, masonry, pathological manifestations in concrete structures, parametric optimization and rationalization of reinforced concrete structural projects; (2018-currently);

Professor of Linear Static Analysis with SAP2000, Reinforced Concrete Structures Projects and Construction Pathology in the Specialization Course in Concrete Structures and Foundations - Integrated Colleges of Patos (2018/2019);

Second Sergeant in the Military Police of Pernambuco (2007- currently);

Professor of Basic Mathematics II; Differential and Integral Calculus II; Spatial Geometry; Didactics; Content, Methodologies and Teaching Practices in Mathematics Teaching University of Pernambuco, Brazil (2016/2017);

Tutor of the disciplines Introduction to Robotics and Electronics of Sensors Used in Robotics, of the Degree in Physics, through the Distance Education Center of the Federal Rural University of Pernambuco, in partnership with the Open University of Brazil UAB (2014/2014);

Tutor of the Postgraduate Course at the Specialization Level in Mathematics Teaching, through the Distance Education Center of the University of Pernambuco, in partnership with the Open University of Brazil, UAB (2011/2012);

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### **Membership / Reviewer / Editorial Board:**

Membership: American Concrete Institute (ACI) Member # 1581973. Member of Committees: 201-00 Durability of Concrete; 314-00 Simplified Design of Concrete Buildings; 447-00 Finite Element Analysis of Reinforced Concrete Structures--Joint ACI-ASCE (2018-currently);

American Society of Civil Engineers (ASCE) Member # 11659932 (2018-currently);

Brazilian Association of Pathology of Constructions (ALCONPAT) (2021-currently);

Reviewer of Journals: ACI Structural Journal (2020-currently); ACI Materials Journal (2020-currently); Journal of Structural Engineering (2022-currently) Research Society and Development Journal (2021-currently); Multidisciplinary Scientific Journal (2021-currently); American Journal of Science, Engineering and Technology (2022-currently)

Editorial Board: Academic Reflection Publisher (2020-currently); Publisher Amplla (2020-currently).

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### **Awards and Recognitions:**

Honored Professor - Civil Engineering Class, Higher Education Autarchy of Garanhuns - AESGA (2016.2 / 2020.1 / 2021.1);  
Paranymph professor - Civil Engineering Class, Higher Education Autarchy of Garanhuns - (2017);  
Merit for Academic Excellence, Regional Council of Engineering and Agronomy of Pernambuco - CREA/PE (2016);  
Excellence Academic degree – Top #1 - Course: Civil Engineering, AESGA (2015).

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### **Publications:**

#### **Full articles published in journals: 11**

Brazilian Journal of Development, v. 7, p. 20445-20461, 2021.  
International Journal of Development Research, v. 11, p. 46030-46036, 2021.  
Research, Society and Development, v.10, p. e4810514579, e4710514575, e6610514583, e0310716004, e31510313341, 2021. (5x)  
Research, Society and Development, v. 11, n 8, p. e36211830919, e54211830912, 2022. (2x)  
Brazilian Journal of Development, DOI:10.34117/bjdv8n6-203, v. 8, n 6, p. 45704-45719, 2022.  
Research, Society and Development, v. 11, n 9, p. e47611930964, 2022.

#### **Complete works published in conference proceedings: 10**

XII Brazilian Congress of Bridges and Structures – Published works - ISBN 978-65-994281-0-4, 2021. v. Único. p. 622-630.  
Brazilian Congress of Pathology of Constructions, Fortaleza-CE, p. 2179, p. 2238, p. 2892, 2020.  
Brazilian Congress of Pathology of Constructions, 2020, Fortaleza-CE, 2020.  
Brazilian Congress of Pathology of Constructions, 2020, Fortaleza-CE, 2020.  
62º Brazilian Congress of Concrete - IBRACON, 2020, Florianópolis-SC, 2020.  
X Brazilian Congress of Bridges and Structures - ISBN 978-85-63465-04-7, 2018. p. <http://cbpe2018>.  
X Brazilian Congress of Bridges and Structures, 2018, Rio de Janeiro. X Congresso Brasileiro de Pontes e Estruturas - ISBN 978-85-63465-04-7, 2018. p. <http://cbpe2018>.  
60º Brazilian Congress of Concrete - IBRACON, Foz do Iguaçu-PR. ISSN 2175-8185, 2018. (3x)

#### **Expanded abstracts published in conference proceedings: 1**

ANAIS - JEPEX 2012 - XII Jornada de Ensino, Pesquisa e Extensão da UFRPE, 2012. v. 1318-1.

### **Others Presentations / Lectures:**

1. SOARES, R. G. P. Pathology of Constructions. 2019. (Work Presentation/Conference or lecture).
  2. SOARES, R. G. P. Structural masonry. 2019. (Work Presentation/Conference or lecture).
  3. SOARES, R.G.P. Pathological processes in concrete structures. 2017. (Work Presentation/Conference or lecture).
  4. SOARES, R. G. P. Analysis of the fluviometric regime and its correlation with the temperature oscillation in the city of Garanhuns-PE for the historical series 1980-2012. 2013.(Congress Presentation).
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### **Judge of the work of others:**

Member of the examining board for the Undergraduate Final Course: 68 candidates  
Member of the examining board for the Specialization Final Course: 9 candidates  
Member of the examining board for the selection of architecture professor: 1

### **As advisor:**

Advisor of undergraduate course completion work: 38 candidates