

MARCOS BAMONTE

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ASSOCIATE PROFESSOR



SUMMARY

Professor with over 16 years of experience in Robotics and Control Systems. I hold a PhD in Engineering, focusing on emotion recognition through biometric sensors using artificial intelligence.

SKILLS

- Passion for learning and research
 - Critical thinking
 - Empathy
 - Programming (Python, C, Octave)
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PROFESSIONAL EXPERIENCE

Associate Professor
Universidad Austral
2002 – 2010 y 2016- Present

- Currently teaching courses in Control Systems and Robotics.

Assistant Professor
Universidad Austral
2016 - 2022

- Taught courses in Mechatronics, Automation, and Robotics.

Associate Professor
Facultad de Ingeniería del Ejército (Univ. de la
Defensa Nacional)
2025 - Present

- Currently teaching Robust Control in the Specialization in Control Systems (postgraduate)..
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EDUCATION

PhD in Engineering
Universidad Austral (UA)
2020 – 2025

Master's in Numerical Simulation and Control
Universidad de Buenos Aires (UBA)
2010 - 2016

Electronic Engineering
Instituto Tecnológico de Buenos Aires (ITBA)
1996 – 2001

LANGUAGES

English: Competent

Spanish: Native

PUBLICATIONS

Bamonte, M.F., Risk, M., Herrero, V. (2024). Emotion Recognition Based on Galvanic Skin Response and Photoplethysmography Signals Using Artificial Intelligence Algorithms. In: Ballina, F.E., Armentano, R., Acevedo, R.C., Meschino, G.J. (eds) Advances in Bioengineering and Clinical Engineering. SABI 2023. IFMBE Proceedings, vol 106. Springer, Cham. https://doi.org/10.1007/978-3-031-61960-1_3

Bamonte, M.F.; Risk, M.; Herrero, V. Determining the Optimal Window Duration to Enhance Emotion Recognition Based on Galvanic Skin Response and Photoplethysmography Signals. Electronics 2024, 13, 3333. <https://doi.org/10.3390/electronics13163333>