



Virginia Ballarin

*Position nominated for:*  
Ordinary AC Member

*Affiliated society:*  
Argentine Society of  
Bioengineering (SABI)  
Past President

*Primary job:*  
Full Professor  
Dept. of Electronics  
School of Engineering  
Universidad Nacional  
de Mar del Plata

### Professional Achievement

- Automatic design of ensembles of color window operators for biomedical images segmentation: from ocular images to white blood cells in images of acute lymphoblastic leukemia.
- Compensatory Fuzzy Logic Predicates for tissue discrimination in MR brain images.
- Fuzzy Morphological quantification of polymer nanofibers in Tissue Engineering Images
- Convolutional Neural Networks based on transfer-learning for pathologies detection in chest X-ray

### Societal Contribution

- IFMBE Co Chair of WiMBE Committee (2018 – 2021)
- CORAL Latin America Council of Biomedical Engineering Secretary General (2020-2023)
- IEEE R9 EMBS WIE Representative (2021-2022)
- IEEE Argentinian Section Vice President (2022-2023)
- SABI – Argentinean Society of Bioengineering President (2013-2015) Vice President (2011-2013) General Secretary (2007-2011)
- EMBS Argentinian Chapter President (2017-2018)

### Honours and Awards

- Solution of the Year Award, Advanced Imaging Magazine (2000)
- Alfonsina Storni Scientific Award, Government of Mar del Plata (2005)
- 1st Prize, IEEE Fifth Computational Intelligence Regional Contest 2012
- Best Paper LACCI 2014 The Latin American Congress on Computational Intelligence.