Paula Arguello

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Paula Arguello is a student of the Systems Engineering Department at the Universidad Industrial de Santander, Colombia since 2019.

His research interests include image processing, optical and computational imaging, medical imaging, and visual privacy.

PROFESSIONAL PREPARATION

Bachelor of Science in Systems Engineering   *2024*
Universidad Industrial de Santander (UIS), Colombia.

PRIZES AND AWARDS

Distinguished Student   *2023*
Universidad Industrial de Santander (UIS), Colombia.

Best Paper Award: IEEE International Conference on Image Processing   *2022*
ICIP 2022, Institute of Electrical and Electronics Engineers.

JOURNAL PAPERS

1. Paula Arguello, Jhon Lopez, Karen Sanchez, Carlos Hinojosa, Fernando Rojas-Morales, Henry Arguello. "Learning to Describe Scenes via Privacy-aware Designed Optical Lens". IEEE Transactions on Computational Imaging. (2024).

2. Brayan Monroy, Karen Sanchez, Paula Arguello, Juan Estupiñán, Jorge Bacca, Claudia V Correa, Laura Valencia, Juan C Castillo, Olinto Mieles, Henry Arguello, Sergio Castillo, Fernando Rojas-Morales. "Automated chronic wounds medical assessment and tracking framework based on deep learning." Computers in Biology and Medicine. (2023).

CONFERENCE PAPERS

1. Paula Arguello, Jhon Lopez, Carlos Hinojosa, Henry Arguello. "Optics lens design for privacy-preserving scene captioning." 2022 IEEE International Conference on Image Processing (ICIP). (2022).

2. David Morales, Paula Arguello, Miguel Márquez, Henry Arguello. "Snapshot compressive spectral video via a monocular optical system." 2020 IEEE Colombian Conference on Applications of Computational Intelligence (IEEE ColCACI 2020)

3. Paula Arguello, David Morales, Yesid Fonseca, Henry Arguello "Video-Tensor Completion using a Deep Learning approach" 2020 IEEE Colombian Conference on Applications of Computational Intelligence (IEEE ColCACI 2020)