



GRADUATE PROGRAM IN
COMPUTER SCIENCE
OF THE FEDERAL UNIVERSITY OF PARÁ

MASTER AND DOCTORATE

RESEARCH LINES

SOFTWARE ENGINEERING



Software Engineering Education
Collaborative software engineering
Empirical software engineering
Experimental software engineering
Qualitative studies
User Experience
Software Tools
Human-computer interaction
Mining software repositories
Software Processes
Software quality
Software Testing

INFORMATION MANAGEMENT



Alternative forms of interaction
Natural language processing
Digital image processing
Virtual reality
Computer vision
Information visualization

COMPUTATIONAL INTELLIGENCE



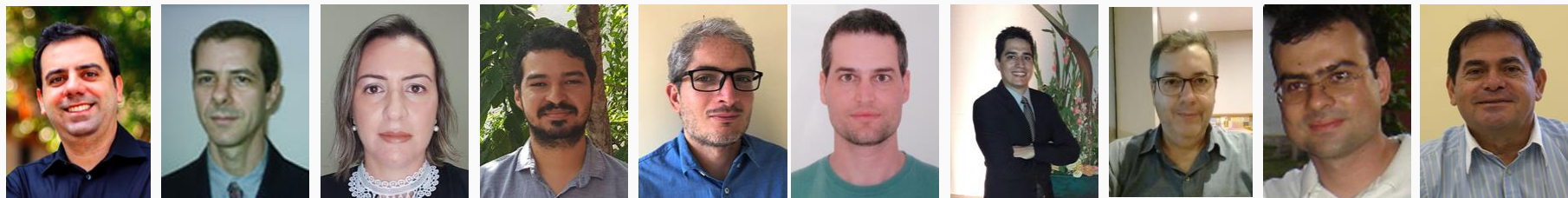
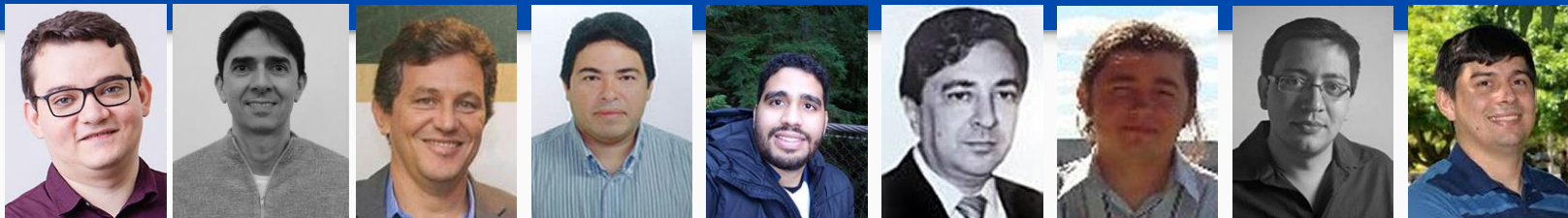
Machine learning
Deep learning
Reinforcement learning
Data Analytics
Computational Biology
Big data
Data Science
Evolutionary computing
Discovery of knowledge
Industry 4.0
Goal heuristics
Optimization

COMMUNICATION NETWORKS



Blockchain
Cloud computing
Computer forensics
Parallel computing
Internet of Things
Internet of the future
Software-defined networks
Optical networks
Wireless networks
Safety
Network virtualization

WHO WE ARE?



IMPORTANT INFORMATIONS

- Master (+200 defenses) and Doctorate (+10 defenses)
- Master's degree with at least one selection per year
- Doctorate in continuous flow (February to November)
- POSCOMP test used as a criterion for scholarships
- Research projects with national and international collaboration
- National and international mobility agreements (doctorate)

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