



# GUSTAVO CARVALHO

## Principal Technical Advisor

+55 21 3550 3774

+55 21 97595-3659

[gustavo.carvalho@lickslegal.com](mailto:gustavo.carvalho@lickslegal.com)

### PRACTICE AREAS

- Patents
- Computer Programs
- Data Protection

### LANGUAGES

- Portuguese
- English
- Chinese
- French

### BIOGRAPHY

Gustavo Carvalho is an engineer at Licks Attorneys' Rio de Janeiro office since 2018. As a researcher in the electronic engineering field, his most recent areas of study are signal (image and video) processing and computer vision.

### AFFILIATIONS

- Regional Council of Engineering and Agronomy – Sergipe (CREA/SE).

### EDUCATION

- Master in Business Administration (MBA), Business Analytics and Big Data, Getulio Vargas Foundation – FGV (ongoing);
- Master in Business Administration (MBA), Business Management, Getulio Vargas Foundation – FGV (2017);
- Doctor's Degree (Ph.D), Electric Engineering, Federal University of Rio de Janeiro – UFRJ (2015);
- Master's Degree (M.Sc), Systems and Computing Engineering, Federal University of Rio de Janeiro – UFRJ (2009);
- Bachelor's Degree (B.Sc), Electronic and Computing Engineering, Federal University of Rio de Janeiro – UFRJ (2005).

### PROFESSIONAL HIGHLIGHTS

Was a researcher in the DORIS project, whose objective was to develop a prototype robotic system for remote inspection in industrial cluttered environments. This project received the 2017 Technology Innovation Award from Brazil's National Oil Agency (ANP);

Submitted works at the International Conference on Computer Supported Cooperative Work in Design in China, in 2008 and 2010, and at the Brazilian Symposium on Telecommunications in 2013.

## PUBLICATIONS

- Anomaly Detection with a Moving Camera Using Multiscale Video Analysis. *Multidimensional Systems and Signal Processing (Online)*, 2018;
- An annotated video database for abandoned object detection in a cluttered environment. In: 2014 International Telecommunications Symposium (ITS), 2014;
- Comparison and optimization of image descriptors for realtime detection of abandoned objects. In: Simpósio de Processamento de Sinais, 2014;
- Um Sistema de Monitoramento para Detecção de Objetos em Tempo Real Empregando Câmera em Movimento. In: XXXI Simpósio Brasileiro de Telecomunicações, 2013;
- Monitoring Robot for Offshore Facilities. In: OTC Brasil, 2013;
- LaSca: a Large Scale Group Decision Support System. *Journal of Universal Computer Science (Online)*, v. 16, 2011;
- Locale Similarity Semantic Search in Large Groups Decision MUTIRÕ Project for the Rio 2016 Olympic Games. In: 15th International Conference on Computer Supported Cooperative Work in Design CSCWD 2011;
- Large Groups Decision for the Rio 2016 Olympic Games in the MUTIRÕ Project. In: 14th International Conference on Computer Supported Cooperative Work in Design, 2010;
- Organizing Public Security During International Sports Events with LaSca. In: 14th International Conference on Computer Supported Cooperative Work in Design, 2010;
- Collaboration Engineering, Philosophy, and Democracy with LaSca. In: 13th International Conference on Computer Supported Cooperative Work in Design, 2009;
- LaSca: a Large Scale Group Decision Support System. In: 12th International Conference on Computer Supported Cooperative Work in Design, 2008;
- Large Scale Decision Making in Participatory Environmental Design. In: 11th International Conference on Computer Supported Cooperative Work in Design, 2007;
- Transmissão de Imagens Via Rádio Controlada por um Servidor Web. In: Semana da Eletrônica 2004.