

## Curriculum vitae

### PERSONAL INFORMATION

## Marco Gabaldo



📍 Rua Brasileira Arantes 115 casa d, 31565-190 Belo Horizonte (Brazil)

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🌐 [www.marcofabaldo.com](http://www.marcofabaldo.com)

Sex Male

### WORK EXPERIENCE

02/01/2017–Present

#### Vice President

Alfalab - Aerospace Laboratory and Fabrication, Belo Horizonte (Brazil)

[www.alfa-lab.org](http://www.alfa-lab.org)

Aerospace, Hitech Materials, Aerospace Propulsion

Business or sector Education, Research and Development

11/05/2011–Present

#### CTO

Te.Co.S. srl, Villafranca di Verona (Italy)

[www.tecossrl.net](http://www.tecossrl.net)

### EDUCATION AND TRAINING

24/02/2016–15/06/2018

EQF level 6

Universidade FUMEC (Fundação Mineira de Educação e Cultura, FUMEC University), Belo Horizonte (Brazil)

04/02/2012–24/01/2016

EQF level 6

UFMG - Universidade Federal de Minas Gerais, Belo Horizonte (Brazil)

### PUBLISHED WORK:

#### PATENTS

Engine for hypersonic aircrafts with supersonic combustor WO 2016157224 A1 - Riscram™

#### ARTICLES

CFD Study of Reactive Compressible Systems, Technical Sessions 2 Fluid Dynamics, Bianca Teixeira and Raphael Bacci, ESSS / José Barros, UFMG / Marcelo Guerra, LUMAR METALS / Marco Gabaldo, Te.Co.S srl / Eduardo Oliveira, PETROBRAS

Aerothermodynamics cycle model for new hypersonic propulsion: Rocket Ignited Supersonic Combustion Ram Jet - José E. Barros, Federal University of Minas Gerais; Marco Gabaldo, Technology Consultation Services srl; Marcelo D. Guerra, Lumar Metals - 52nd AIAA/SAE/ASEE Joint Propulsion Conference Salt Lake City, UT

Aerothermodynamic simulation model for new hypersonic propulsion: Rocket Ignited Supersonic Combustion Ram Jet - Marco Gabaldo, FUMEC University - Fundação Mineira de Educação e Cultura; Jose E. Barros, Federal University of Minas Gerais; Marcelo D. Guerra, Lumar Metals; Eduardo Oliveira, Petrobras - AIAA SPACE 2016 Long Beach, California

RISCRAM TSTO - Veicolo Space Plane , Copyright: Marco Gabaldo, Redazione di Aviation Report , 7 marzo 2017, Industria Aeronautica, 679

### ACADEMIC CONTRIBUTION

PROJETO AERODINÂMICO DE HÉLICES, Prof. Dr. José Eduardo Mautone Barros –UFMG Propulsão

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

|  | UNDERSTANDING |         | SPEAKING           |                   | WRITING |
|--|---------------|---------|--------------------|-------------------|---------|
|  | Listening     | Reading | Spoken interaction | Spoken production |         |
| Portuguese                             | C2            | C2      | C2                 | C2                | C2      |
| CELPE-Bras (INEP)                      |               |         |                    |                   |         |
| English                                | C1            | C1      | C1                 | C1                | C1      |
| Bellevue West High School Nebraska USA |               |         |                    |                   |         |

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Communication skills Great communication skills, able to make network in every business environment.

Organisational / managerial skills Very organized and capable of controlling product research and development teams.

Job-related skills Researcher's profile, creative and innovative enough to process new products. Investigative capacity to solve problems.

Digital competence

| SELF-ASSESSMENT        |                 |                  |                 |                 |
|------------------------|-----------------|------------------|-----------------|-----------------|
| Information processing | Communication   | Content creation | Safety          | Problem solving |
| Proficient user        | Proficient user | Proficient user  | Proficient user | Proficient user |

Digital competences - Self-assessment grid