



## Daniel Mariuta

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**Data nașterii:** 18/06/1991 **Cetățenie:** română

### EXPERIENȚA PROFESIONALĂ

[ 01/10/2022 ]

#### Lector universitar asociat

**Academia Tehnică Militară FERDINAND I**

**Localitatea:** București

[ 01/04/2020 – În curs ]

#### Ofițer specialist

**Academia Tehnică Militară FERDINAND I**

**Localitatea:** Bucharest

**Țara:** România

[ 01/02/2018 – 31/03/2020 ]

#### Research and Development Engineer | Marie-Curie Fellow

**Karlsruhe Institute of Technology** <https://www.imt.kit.edu/>

**Adresă:** Forschungszentrum 240, 76344 , Eggenstein-Leopoldshafen, Germania

**Localitatea:** Karlsruhe

**Țara:** Germania

**Unitatea sau departamentul:** Institute of Microstructure Technology

**Sector de afaceri sau de activitate:** Activități specializate, științifice și tehnice

[ 03/10/2016 – 31/01/2018 ]

#### Research and Development Engineer | Marie-Curie Fellow

**Institut National des Sciences Appliquées de Toulouse** <https://ica.cnrs.fr/the-institute/>

**Adresă:** Espace Clément Ader, 3 Rue Caroline Aigle, 31400 , Toulouse, Franța

**Localitatea:** Toulouse

**Țara:** Franța

**Unitatea sau departamentul:** Institute Clement Ader

**Sector de afaceri sau de activitate:** Activități specializate, științifice și tehnice

[ 07/2014 – 30/09/2016 ]

#### Head of the Ground Support Equipment Department

**RoAF 90th Airlift Base**

**Localitatea:** Otopeni

**Țara:** România

### EDUCAȚIE ȘI FORMARE PROFESIONALĂ

[ 01/02/2018 – 20/06/2022 ]

#### Doctor of Engineering (Dr.-Ing.)

**Karlsruhe Institute Of Technology, Germany** <https://www.kit.edu>

**Adresă:** 76131, Karlsruhe, Germania

**Domeniul (domeniile) de studiu:** Microfabrication technologies

**Media finală/ Rezultatul final:** Cum laude **Nivelul CEC:** Nivelul 8 CEC

**Lucrarea de diplomă:** Development of a microfluidic device for gaseous formaldehyde sensing

[ 03/10/2016 – 20/06/2022 ]

### **Doctor of Philosophy (PhD)**

**Institut National des Sciences Appliquées de Toulouse, France** <https://www.insa-toulouse.fr/>

**Adresă:** 135 Av. de Rangueil, 31400, Toulouse, Franța

**Domeniul (domeniile) de studiu:** Dinamica fluidelor

**Media finală/ Rezultatul final:** Cum laude **Nivelul CEC:** Nivelul 8 CEC

**Lucrarea de diplomă:** Development of a microfluidic device for gaseous formaldehyde sensing

[ 10/2014 – 07/2016 ]

### **Master of Science in Aerospace Engineering**

**POLITEHNICA University of Bucharest** <https://upb.ro/>

**Adresă:** Splaiul Independenței 313, 060042, Bucuresti, România

[ 10/2010 – 07/2014 ]

### **Bachelor of Science in Aerospace Engineering**

**Military Technical Academy Ferdinand I, Bucharest, Romania** <https://mta.ro/>

**Adresă:** Bulevardul George Coșbuc 39-49, 050141, Bucuresti, România

### **Project Manager**

**S.C. ALMA VISION S.R.L.** <https://www.cursorialma.ro/>

**Adresă:** Calea Șerban Vodă nr.106, Etaj 1, Ap.2, Sector 4, Bucuresti, România

**Clasificare națională:** COR 242101

**Training:** a total of 60 hours of training ( 30 hours of theory and 30 hours of practice).

**Certificate** obtained after passing a theoretical and practical examination.

**Professional skills** acquired:

- determine the aim of a project
- planning the activities and the milestones of the project
- how to manage the costs and operational resources
- acquisition procedures of a project
- risk management
- team management
- communication management
- project quality management

### **Project Evaluator**

**S.C. SOFT SKILLS TRAINING S.R.L.** [www.traininguri.ro](http://www.traininguri.ro)

**Adresă:** Ernest Juvara, etaj 1, nr. 18, sector 6, Bucuresti, România

**Clasificare națională:** COR 241263

**Training:** 40 hours

**Certificate** obtained after passing a theoretical examination.

**Professional skills** acquired:

- prepare individually for evaluation
- organize the evaluation process

- evaluate projects
- validate project evaluations
- offer consultancy services in the selection process of projects

## PUBLICAȚII

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[ 2020 ] [Miniaturization of fluorescence sensing in optofluidic devices](#)

[ 2020 ] [Optofluidic formaldehyde sensing: Towards on-chip integration](#)

[ 2020 ]

[Prototyping a miniaturized microfluidic sensor for real-time detection of airborne formaldehyde](#)

## CONFERINȚE ȘI SEMI-NARE

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[ 22/06/2021 – 25/06/2021 ] **29th Mediterranean Conference on Control and Automation (MED2021)**

Bari, Italy

**Link:** [https://controls.papercept.net/conferences/conferences/MED21/program/MED21\\_ProgramAtAGlanceWeb.html](https://controls.papercept.net/conferences/conferences/MED21/program/MED21_ProgramAtAGlanceWeb.html)

[ 24/10/2019 – 25/10/2019 ]

**International Symposium on Thermal Effects in Gas flows in Microscale ISTEIM 2019 - A MIGRATE event**

Ettlingen near Karlsruhe, Germany

**Link:** <https://www.istegim.eu/>

[ 22/07/2019 – 24/07/2019 ] **The 10th International Conference on Chemistry and Chemical Engineering**

University of Oxford, United Kingdom

**Link:** <http://www.iccce.org/2019.html>

[ 03/10/2018 – 05/10/2018 ] **Introductory GPU Computing for Fluid Dynamics. Applications** Politecnico di Milano, Italy.

[ 13/08/2018 – 24/08/2018 ] **PhD Summer School: Micro and Nano Sensors** DTU Nanotech, Copenhagen, Denmark

**Link:** <https://www.healthtech.dtu.dk/uddannelse/drug-sensor-summer-schools/sensors/program>

[ 24/06/2018 – 29/06/2018 ] **3rd MIGRATE Workshop & Summer School** Bastia, Corsica, France

**Link:** <https://www.migrate2015.eu/129.php>

[ 02/06/2018 – 03/06/2018 ] **Journées trinacionales des Jeunes chercheurs – Allemagne, France, Suisse.**

EUCOR Strasbourg, France

[ 05/03/2018 – 05/03/2018 ] **Microsystem for monitoring indoor air quality**

InAirSolutions Strasbourg, France

[ 28/02/2018 – 02/03/2018 ] **MicroFlu'18 - NEGF'18** Strasbourg, France

[ 26/06/2017 – 30/06/2017 ] **2nd MIGRATE Workshop & Summer School** Sofia, Bulgaria

## COMPETENȚE LINGVISTICE

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**Limbă(i) maternă(e):** romana

**Altă limbă (Alte limbi):**

**engleză**

COMPREHENSIVNE ORALĂ C2 CITIT C2 SCRIS C1

EXPRIMARE SCRISĂ C1 CONVERSAȚIE C1

**franceză**

COMPREHENSIVNE ORALĂ C1 CITIT C2 SCRIS B1

EXPRIMARE SCRISĂ B1 CONVERSAȚIE B2

**germană**

COMPREHENSIVNE ORALĂ A1 CITIT A1 SCRIS A1

EXPRIMARE SCRISĂ A1 CONVERSAȚIE A1

## PERMIS DE CONDUCERE

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**Autoturism:** B

## RECOMANDĂRI

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### Supervisor

**Nume:** Prof. Dr. Jürgen J. Brandner

**Număr de telefon:** (+49) 72160823963

**E-mail:** [juergen.brandner@kit.edu](mailto:juergen.brandner@kit.edu)

Lead Scientist of the Microstructures and Process Sensors, the Institute of Microstructures Technologies (IMT), Karlsruhe Institute of Technology.

**Link:** [https://www.imt.kit.edu/1637\\_1640.php](https://www.imt.kit.edu/1637_1640.php)

### Supervisor

**Nume:** Prof. Dr. Lucien Baldas

**Număr de telefon:** (+33) 561171101

**E-mail:** [lucien.baldas@insa-toulouse.fr](mailto:lucien.baldas@insa-toulouse.fr)

Scientist in the Modeling of the Mechanical Systems and Microsystems (MS2M) at the Institute Clement Ader, Toulouse, France.

**Link:** <https://ica.cnrs.fr/en/author/lbaldas/>