

## PERSONAL INFORMATION



## Daniela Doroftei

 Av. De La Renaissance 30, 1000 Brussels, Belgium  
 ++32-2-4414106  ++32-472 85 76 31  
 daniela.doroftei@rma.ac.be  
 [http://mecatron.rma.ac.be/People/Daniela\\_Doroftei.html](http://mecatron.rma.ac.be/People/Daniela_Doroftei.html)

Sex F | Date of birth 21/04/1979 | Nationality Belgian + Romanian

## WORK EXPERIENCE

2019 – present

## Group Leader

Royal Military Academy, Brussels, Belgium

- Group leader for the Counter-Robotics projects branch of the “Robotics & Autonomous Systems” research unit of the Belgian Royal Military Academy
- Responsible for project management of international and national research projects of the group

Business or sector: Defence, Secure Societies, Robotics, EU projects

2012 – present

## Project technical coordinator

Royal Military Academy, Brussels, Belgium

- Responsible for the technical coordination of national and international research projects of the group
- Responsible for the organisation of project conferences and workshops

Business or sector: Defence, Secure Societies, Robotics, Drones, Unmanned Aerial Vehicles

2005 – present

## Research Engineer

Royal Military Academy, Brussels, Belgium

- Research on human factors for drone operations
- User requirements engineering
- Development of quantitative robot validation methodologies
- Development of human-robot interfaces
- Development of hybrid behaviour-based control approaches, allowing human-in-the-loop semi-autonomous robot behaviours
- Development of decentralised multi-robot control strategies for robotic teams

Business or sector: Defence, Secure Societies, Robotics

2002 – 2003

## Researcher

Université Libre de Bruxelles (ULB), Brussels, Belgium

- Numeric design and structural modelling of new membranes for active structures

Business or sector: University

## PROJECTS

Timing	Project Acronym	Scope & tasks	Funding Scheme	Role
2025-2028	COURAGEOUS <sup>2</sup>	Project coordination of this EU initiative to develop a standard test methodology for CUAS solutions, in collaboration with DG-HOME.	Internal Security Fund	Project Coordinator
2025 - 2029	ORIGAMI	Assistance to the project coordinator on this project targeting the development of drone swarms resilient to CUAS countermeasures	European Defence Fund	Project Co-Coordinator
2021 - 2025	STARS*EU ( <a href="https://starseu.net">https://starseu.net</a> )	Space Technology And Research Support * EU supports DG DEFIS in the field of education and skills for space in the EU, creation and dissemination of scientific knowledge, analysis of EU-funded projects in the field of space, support to the consultation platform and to communication	EU – DG DEFIS	Project Co-Coordinator
2020 - 2023	ASSETs+ ( <a href="https://assets-plus.eu">https://assets-plus.eu</a> )	ASSETs+ aims to build a sustainable human resources supply chain for the European Defence Industry, that boosts innovation by both attracting highly-skilled young workers and upskilling its employees. Complementary education & training programmes are addressing the following main technologies: Artificial Intelligence, Robotics, C4ISTAR* and Cybersecurity.	EU Erasmus+ - Sector Skills Alliances - Defence technologies	Project Participant
2019 - 2022	ALPHONSE ( <a href="https://mecatron.m.a.ac.be/index.php/projects/alphonse/">https://mecatron.m.a.ac.be/index.php/projects/alphonse/</a> )	Responsible for the study of human factors for drone operations and the development of a simulation environment for rendering drone operations safer.	Belgian Royal Higher Institute for Defence	Project Researcher Technical Coordinator
2021 – 2024	COURAGEOUS ( <a href="https://courageous-isf.eu">https://courageous-isf.eu</a> )	Assistance to the project coordinator on management issues for this project building towards a better understanding of the capabilities of counter-UAS systems	EU Internal Security Fund	Project Coordinator Contact
2019 - 2021	SOLOMON ( <a href="http://www.solomon-padr.eu/">http://www.solomon-padr.eu/</a> )	Contributor to an analysis of strategy-oriented analysis of the market forces in EU defence for air, space and cyber armament systems.	EU - H2020 Preparatory Action for Defence Research	Project Participant
2016 - 2018	SafeShore ( <a href="http://www.safeshore.eu">http://www.safeshore.eu</a> )	Co-responsible for technical coordination of an EU project that developed a novel drone detection system for maritime border and external security. Responsible for the development of quantitative system validation methodologies.	EU – H2020 - Secure Societies – Border and External Security	Project Coordinator Contact Task leader End-User Liaison Officer
2012 – 2016	ICARUS ( <a href="http://www.fp7-icarus.eu">http://www.fp7-icarus.eu</a> )	Co-responsible for technical coordination of an EU project that developed a set of integrated unmanned tools for crisis management, supporting disaster resilient societies. Work Package leader for the establishment of the user requirements, Responsible for relations with end users and user acceptance, Responsible for the development of quantitative system validation methodologies.	EU – FP7 – Secure Societies – Security - Disaster Resilient Societies	Project Coordinator Contact WP Leader End-User Liaison Officer
2007 – 2010	View-Finder	Contributor to the development of artificial intelligence tools for unmanned ground vehicles used in disaster response	EU – FP6 – IST	Project Participant
2007 - 2010	Networked Multi-Robot System	Contributor to the development of artificial intelligence tools for the heterogeneous collaboration of unmanned ground vehicles for security and defence applications	European Defence Agency	Project Participant
2005 – 2011	MOBINISS	Contributor to the development of artificial intelligence tools for unmanned ground vehicles	Belgian Royal Higher Institute for	Project Participant

## REVIEWING & EXPERTISE SERVICE

Defence

Timing	Organisation	Role
2023 - present	EDF	External expert / reviewer for the assessment of project proposals
2019 - present	EU – H2020/ HEU – Secure Societies - Disaster Resilient Societies	External expert / reviewer for the assessment of project proposals
2019 - present	EU – H2020/ HEU (HADEA) – Robotics & AI	External expert / reviewer for the assessment of project proposals

## HONORS & AWARDS

Timing	Organisation	Contribution	Award	Role
2020	NATO Innovation Challenge – Trust in Autonomous Systems	Solution on “Human-Agent Trust Evaluation in a Digital Twin Context”	Overall Challenge Winner	Team Leader of the winning RMA team
2015	euRathlon Challenge on Multi-domain Search & Rescue Robotics	Multi-agent & multi-domain team of search & rescue robots.	Best Technological Innovation Award	Team Member of the ICARUS team

## EDUCATION AND TRAINING

2002 – 2003 **Master study (DEA) in Applied Science**  
 Université Libre de Bruxelles (ULB) in Brussels, Belgium  
 ▪ Master thesis: Development of an elastic membrane for active vibration dampening

March 2001 - May 2001 **Erasmus scholarship**  
 Université Libre de Bruxelles (ULB) in Brussels, Belgium

1997 -2002 **Master in mechanical engineering**  
 Gheorghe Asachi University in Iasi, Romania  
 ▪ Master thesis: Simulation of a PUMA manipulator

## PERSONAL SKILLS

**Mother tongue(s)** Romanian

**Other language(s)**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French	C2	C2	C2	C2	C1
Dutch	C1	C1	B2	B2	B1
English	C1	C1	C1	C1	C1
Italian	A2	A2	A1	A1	A1
Russian	A1	A2	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
 Common European Framework of Reference for Languages

- Communication skills**
- good communication skills towards different actors gained through my experience as organiser of events
- Organisational / managerial skills**
- excellent time-keeping skills as responsible on this subject in the coordination team
  - good time-management skills gained as end-responsible for the timely delivery of multiple project deliverables
  - excellent event-organisation skills as main contact point for multiple international conferences
  - good knowledge of administrative processes as liaison officer for handling administrative matters
  - good knowledge on the elaboration of user and system requirements and system validation, as responsible on these subjects in the ICARUS and SafeShore projects
- Computer skills**
- good command of Microsoft Office™ tools (word processor, spread sheet, presentation software)
  - knowledge of programming tools through past experiences in research projects
- Driving licence**
- B

## PUBLICATIONS

---

**Publication Metrics**

h-index: 15 (Q2 2025, Google Scholar: [https://scholar.google.be/citations?user=EUZro\\_cAAAAJ&](https://scholar.google.be/citations?user=EUZro_cAAAAJ&))  
Number of citations: 796  
Total number of publications: 60  
Journal Papers: 11