

## PERSONAL INFORMATION

Cinzia Amici

 Professional: +39 030 3715401 +39 3471332776 Professional: [cinzia.amici@unibs.it](mailto:cinzia.amici@unibs.it) Skype contact [cinzia.amici](https://www.skype.com/people/cinzia.amici)

## WORK EXPERIENCE

06.2017 – onwards

**Researcher  
(RTDa)**

Università degli Studi di Brescia, DIMI, Via Branze, 38, 25123, Brescia, Italy

- Full time junior researcher

**Business or sector** [ING-IND/13 Mechanics/Applied Mechanics](#)

01.2017 – 03.2017

**Research Grant Holder****(Collaborator in the project “ Progetto funzionale di sistema per l’adduzione/abduzione degli arti inferiori; analisi delle strategie di valorizzazione del dispositivo ”)**

Università degli Studi di Brescia, DIMI, Via Branze, 38, 25123, Brescia, Italy

- Functional design of a system for the adduction/abduction of the lower limb, and analysis of possible exploitation strategies of the device

**Business or sector** [ING-IND/13 Mechanics/Applied Mechanics](#)

12.2015 – 11.2016

**Research Fellow****(Collaborator in the project “Sistemi meccatronici per l’Health and Wealth”)**

Università degli Studi di Brescia, DIMI, Via Branze, 38, 25123, Brescia, Italy

- Study of mechatronic systems for Health & Wealth, biomechanics and medical devices.

**Business or sector** [ING-IND/13 Mechanics/Applied Mechanics](#)

12.2014 – 11.2015

**Research Fellow****(Collaborator in the project “Prodotti e progetti innovative basati su argomenti tipici della meccanica applicata: valorizzazione, generazione di spin-off, brevettazione, formazioni di network tematici e progetti di ricerca finanziata”)**

Università degli Studi di Brescia, DIMI, Via Branze, 38, 25123, Brescia, Italy

- Innovative products and projects related to applied mechanics topics: enhancement, spin-off creation, patenting, generation of thematic networks and funded research projects.

**Business or sector** [ING-IND/13 Mechanics/Applied Mechanics](#)

11.2013 – 10.2014

**Research Fellow****(Collaborator in the project “Miur-Regione Lombardia LASEROBOTICS”)**

Università degli Studi di Brescia, DIMI, Via Branze, 38, 25123, Brescia, Italy

- Study of automation systems, for the execution of predefined trajectories

**Business or sector** [ING-IND/13 Mechanics/Applied Mechanics](#)  
[ING-IND/16 Technologies and Manufacturing Processes](#)

11.2012 – 10.2013

**Research Fellow****(Collaborator in the project “R.E.M.S. Rete Lombarda di Eccellenza per la Meccanica Strumentale e Laboratorio Esteso ”)**

Università degli Studi di Brescia, Engineering Faculty, Via Branze, 38, 25123, Brescia, Italy

- Study of compensation and calibration systems and thermo-stabilized structures for machine tools

and multibody systems  
**Business or sector** ING-IND/13 Mechanics/Applied Mechanics  
 ING-IND/16 Technologies and Manufacturing Processes

11.2010 – 10.2012

**Research Fellow**

(Collaborator in the project “LEA.DE.R – PRO.F Lean Design for Robust Production Flows ”)

Università degli Studi di Brescia, Engineering Faculty, Via Branze, 38, 25123, Brescia, Italy

- Development of an automatic parametric calibration procedure for the compensation of geometric errors in machine tools

**Business or sector** ING-IND/13 Mechanics/Applied Mechanics  
 ING-IND/16 Technologies and Manufacturing Processes

 Academic Years 2008/2009,  
 2010/2011 – 2016/2017

**Professor Assistant**

Università degli Studi di Brescia, Engineering Faculty, Via Branze, 38, 25123, Brescia, Italy

Collaborator in the following courses:

- “Meccanica Applicata alle Macchine” (Mechanics and Applied Mechanics)
- “Dispositivi e Sistemi Meccanici” (Mechanical Systems and Devices)
- “Fondamenti di Vibrazioni Meccaniche” (Fundamentals of Mechanical Vibrations)

**Business or sector** ING-IND/13 Mechanics/Applied Mechanics

01.2017 – onwards

**UniBS Team Manager and Researcher**

(Coordinator of the UniBS Unit in the project “Sistema innovativo mecatronico per la riabilitazione ortopedica e neurologica – SIMeRiON”, in Bando Linea R&S per Aggregazioni Regione Lombardia)

Università degli Studi di Brescia, DIMI, Via Branze, 38, 25123, Brescia, Italy

- Coordinator in WP1 (state of the art, regulations, I.P. analysis), and WP7 (dissemination), Partner in WP3 (SW design and control), WP4 (development, CE marking, clinical trials, validation), WP5 (optimization of the gait module), and WP6 (design and realization of the gait module)

**Business or sector** ING-IND/13 Mechanics/Applied Mechanics  
 ING-INF/06 Bioengineering and Computer Science  
 (the field of health related issues)

07.2010 – 10.2010

**Research Fellow**

(Collaborator in the project id.22 “Mechatronics based rehabilitation at home – MRH”, in the European Program Interreg IV C - Innovation4welfare)

Università degli Studi di Brescia, Engineering Faculty, Via Branze, 38, 25123, Brescia, Italy

- Participation in WP1 (developments in rehabilitation), WP4 (professional work) and WP5 (dissemination)

**Business or sector** ING-INF/06 Bioengineering and Computer Science  
 (the field of health related issues)

**EDUCATION AND TRAINING**


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 11.2013 – 06.2015  
 (Qualification achieved  
 on the 19<sup>th</sup> of June 2015)

**Master in Open Innovation and Knowledge Transfer (Master MIT) – III ed. (Final grades: 110 cum laude/110)**

ISCED (1997) 5A

MIP Politecnico di Milano School of Management, Via Lambruschini, 4C – building 26/A, 20156, Milano, Italy

Thesis Title: “Network Analysis of the main P<sup>2</sup>ROs at the end of FP7”.

- Main topics: open innovation, knowledge and technology transfer, R&D management.

 10.2007 – 10.2010  
 (Qualification achieved  
 on the 09<sup>th</sup> of March 2011)

**PhD in Mechanics (Curriculum: Robotics and Industrial Automation)**

ISCED (1997) 6

Università degli Studi di Brescia, Engineering Faculty, Via Branze, 38, 25123, Brescia, Italy

Thesis Title: “Industrial Automation for Unconventional Applications”.

- Main topics: kinematics and dynamics of parallel robots and bio-mechatronic systems.

09.2005 – 07.2007  
(Qualification achieved  
on the 18<sup>th</sup> of July 2007)

**Master graduate in Industrial Automation Engineering  
(Final grades: 110 cum laude/110)**

ISCED (1997) 5A

Università degli Studi di Brescia, Engineering Faculty, Via Branze, 38, 25123, Brescia, Italy

Thesis Title: "Studio di minimanipolatore PKM flessibile tridimensionale a struttura planare" ("Study of a Flexible, Three-Dimensional and Parallel Kinematic Mini-Manipulator, with Planar Structure").

- Main topics: kinematics and dynamics of a low cost parallel robot.

**PERSONAL SKILLS**

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	C1
Trinity certificate. 8 (2002).					

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

Communication skills

- Lectures/students' training in academic courses and experiences as speaker in international conferences.

Job-related skills

- Biomechatronic and robotic systems analysis (kinematic and dynamic study of biomechanical systems and parallel kinematic machines in both industrial and research projects)
- Systems modelling (model identification and analysis of biomechanical and industrial systems in industrial projects)
- Calibration techniques study (implementation of automatic parametric calibration procedures for the compensation of geometric errors in machine tools during a research project)

Computer skills

- Good knowledge of Microsoft Windows Systems and Office tools (Word, Excel, Power Point)
- Good knowledge of MATLAB environment
- Basic knowledge of Maple, Simulink and LabVIEW environments
- Practical knowledge of 3D modelling softwares (SolidWorks)
- Basic knowledge of C language

**ADDITIONAL INFORMATION**

Honors and awards

- Winner of the prize for outstanding dissertation "Fondazione Don Bartolomeo Grazioli Martire di Belfiore" for the year 2007.

Memberships

- Qualified as Engineer in the A Section, "industrial" field (Qualification achieved in 2008, Professional test passed at the Università degli Studi di Brescia, Engineering Faculty).

Personal data

I give the consent to process my personal data in accordance with the D.L. 30<sup>th</sup> June 2003, n. 196 "Codice in materia di protezione dei dati personali".

*Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D.Lgs. 196/2003*

*Avvalendomi delle disposizioni di cui agli artt. 46 e 47 del DPR 445/2000 dichiaro sotto la mia responsabilità che quanto sopra riportato risulta essere vero e dichiaro inoltre di essere consapevole delle sanzioni penali ed amministrative, ai sensi degli artt. 75 e 76 del citato DPR 445/200, in caso di dichiarazioni mendaci e di formazione od uso di atti falsi.*

**ANNEXES**

- Seminars and courses
- Publications
- Conferences and Workshops