

CV of Christophe Collette

Current position:

- 01/10/2017: Associate professor, Aerospace and mechanical engineering department at University of Liège (ULg). **Head of the Precision Mechatronics Laboratory.** <http://www.pmlab.be>
- 01/10/2014: Associate professor at the BEAMS department of the University of Brussels (ULB, Belgium).
- 13/09/2012 : Principal Investigator for the LIGO Scientific Collaboration (LSC)

Previous positions :

- 01/01/2011-31/12/2015: Part time research associate at the European Organization for Nuclear Research (CERN, Switzerland).
- 01/10/2013-30/09/2014: Lecturer (maitre d'enseignement) at the BEAMS department of the University of Brussels (ULB, Belgium).
- 01/01/2011-30/09/2013: Post-doc researcher at the Active Structures Laboratory of the University of Brussels (ULB, Belgium).
- 01/01/2009-31/12/2010: Fellow at CERN (Active stabilization of the future linear collider CLIC).
- 01/08/2007-31/12/2008: Post-doc researcher (Walloon Region) at the University of Brussels, department of mechanical engineering and robotics, Active Structures Laboratory.
- 01/02/2002-31/07/2007 : Research engineer (PhD student) at the University of Brussels, department of mechanical engineering and robotics, Active Structures Laboratory.

Education:

- Ph.D.: Doctor in Applied Sciences (University of Brussels, 2007).
- M.A.S.: (Master of Advanced Studies) Mechanical engineering (University of Brussels, 2003).
- M.Sc.: Engineering physics (University of Liege, 2001).

International mobility:

- 01/01/2004-30/01/2004 (1 month): Visiting PhD student at the Institut National des Sciences Appliquees, Laboratoire de Mecanique des Contacts et des Structures (INSA Lyon - LAMCOS), France.
- 30/05/2012-30/06/2012 (1 month): Visiting researcher at the Massachusetts Institute of Technology, USA.
- 30/06/2012-30/07/2012 (1 month): Visiting researcher at the California Institute of Technology, USA.
- 19/06/2013-22/07/2013 (1 month): Visiting researcher at the Massachusetts Institute of Technology, USA.

Current fundings as Principal Investigator (> 20 M€)

<i>Project Title</i>	<i>Funding source</i>	<i>Amount (Euros)</i>	<i>Period</i>
Active vibration isolation	European Space Agency (ESA)	90 000 €	01/10/2017 to 30/09/2020
Nano-positioning and active stabilization system	European Synchrotron Radiation Facility (ESRF)	120 000 €	01/11/2017 to 31/10/2020
Intelligent and adaptative vibration absorbers for aerospace applications	Walloon Region (DGO6). Wall'innov program	837 039,51 €	01/06/2017 to 30/05/2021
Micromodule for low consumption secured and certified cameras	Walloon Region (DGO6). Wall'innov program	240 543,73 €	01/01/2018 to 31/12/2020
Isolation of Gravitational wave Observatories from Earth	F.R.S.-FNRS	375 205 €	01/01/2017 to 30/05/2021
Nano-positioning system for synchrotrons	F.R.S.-FNRS (FRIA – Thomas Dehaeze)		01/10/2018 to 30/09/2021
Opto-mechanical isolation system	F.R.S.-FNRS (FRIA - Jennifer Watchi)		01/10/2018 to 30/09/2021
Ultra-low frequency inertial sensor	Chinese Research Council grant	160 000 €	01/10/2016 to 30/09/2020
Glass-Based Optomicromechatronics	F.R.S.-FNRS	413 000 €	2 years
Integrated Mechatronics For Active vibration ConTrol (IMpaCT)	Université Libre de Bruxelles (ARC-Consolidator)	210 395 €	3 years
Gravtational Wave Science (GWAS)	Joint programme : ULiege-UCL	425 700 €	01/09/2019 to 31/08/2023
Einstein Telescope Euregio-Meuse-Rhin Site and Technologies (ETEST)	EU: Interreg V Euregio Meuse Rhin	14 996 796 €	01/01/2020 to 31/12/2022
Vibration damping of harvesting machine	ARES grant (Romaric Bioul Oaye)		01/12/2018 to 31/07/2020
Seismic Isolation of Einstein Telescope (SILENT)	ERC Consolidator	1930200 €	01/09/2020 to 31/08/2025

Prize/awards

2015 : UAE-USA Alumni ULB

2016 : [Special Breakthrough Prize in Fundamental Physics](#) for the LIGO Scientific Collaboration

2017: [UK Royal Astronomical Society 2017 Group Achievement Award in Astronomy](#), for the direct detection of gravitational waves by the LIGO detectors

Current supervisions

Post-doc : Cédric Dumoulin (2019-2020)

Post-doc : Guoying Zhao (2017-2021)

Post-doc : Rasa Jamshidi (2020-2022)

Post-doc : Shashank Pathak (2019-2021)

Post-doc : Vishnu N Gair (2020-2023)

PhD student (promotor): Jennifer Watchi (2015-2021)

PhD student (promotor): Binlei Ding (2016-2020)

PhD student (promotor): Vicente Lafarga (2017-2021)

PhD student (promotor): Thomas Dehaeze (2017-2021)

PhD student (promotor): Ahmad Paknejad (2018-2021)

PhD student (promotor) : Dimitri Piron (2019-2023)

PhD student (co-promotor) : Gaetan Abeloos (2018-2022)

PhD student (promotor) : Ameer Sider (2019-2023)

PhD student (promotor) : Mouhammad Lakkis (2020-2024)

PhD student (promotor) : Loïc Amez-Droz (2020-2024)

More detailed list is available here : <http://www.pmlab.be>