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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Luca Di Stasio** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Postdoctoral Researcher** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Discovery Boulevard, G-3900, KAUST, Thuwal, Saudi Arabia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **D-CPR Certified** | | | | | **Driving License B (IT)** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **(+966) 53 419 70 84** | | | | |  | | | | | | | | | | | | | | | | | | | | **luca.distasio@gmail.com** | | | | | | | |
| **Profile** | | | | University researcher and experienced educator, I combine formal studies in pedagogy, a multidisciplinary engineering background and many years of experience teaching students at different levels. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Employment History** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Kaust** | | | | | | | | | | | | | | | | | | | | | | | | | Thuwal, Saudi Arabia | | | | | | | |
| Apr 2020 - Present | | | | | **Postdoctoral Researcher** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | * Developed software pipelines for the semi- and un-supervised generation and analysis of numerical models * Disseminated results through scholarly journal articles and presentations at international conferences | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Université de Lorraine** | | | | | | | | | | | | | | | | | | | | | | | | | Nancy, France | | | | | | | |
| Sep 2020 – Feb 2021 | | | | | **Guest Lecturer** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | * Established learning objectives, formulated assessment methods and designed learning activities of a Solid Mechanics course for 2nd year undergraduate students in Materials Science & Engineering delivered online * Delivered learning activities, provided extra-curricular support, assessed and graded the achievement of learning outcomes * Managed remotely a team of 5 teaching assistants | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Luleå University of Technology** | | | | | | | | | | | | | | | | | | | | | | | | | Luleå, Sweden | | | | | | | |
| Jan 2018 – Dec 2019 | | | | | **University Teaching Assistant & Early-stage Researcher** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | * Delivered learning activities in the field of Experimental Composite Mechanics to 1st and 2nd year international master students in Materials Science and Engineering * Co-supervised master students’ research projects * Developed software pipelines for the semi- and un-supervised generation and analysis of numerical models * Disseminated results through scholarly journal articles and presentations at international conferences | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Université de Lorraine** | | | | | | | | | | | | | | | | | | | | | | | | | Nancy, France | | | | | | | |
| Sep 2016 – Dec 2017 | | | | | **University Teaching Assistant & Early-stage Researcher** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | * Delivered learning activities in the field of Experimental Mechanics, Mechanics of Materials, and Computational Mechanics of Composite Materials to 2nd and 3rd year undergraduate and 1st year graduate students in Materials Science and Engineering * Developed software pipelines for the semi- and un-supervised generation and analysis of numerical models * Presented results at international conferences and seminars | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **The Learning Center Zürich** | | | | | | | | | | | | | | | | | | | | | | | | | Zürich, Switzerland | | | | | | | |
| Dec 2014 – Aug 2015 | | | | | **Personal Tutor** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | * Designed and delivered learning activities for high school and undergraduate students in STEM subjects | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ETH Zürich** | | | | | | | | | | | | | | | | | | | | | | | | | Zürich, Switzerland | | | | | | | |
| Sep 2013 – Aug 2015 | | | | | **Early-stage Researcher** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | * Participated to the development of a coupled LBM-FEM code for staggered fluid-structure interaction | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Politecnico di Milano** | | | | | | | | | | | | | | | | | | | | | | | | | Milano, Italy | | | | | | | |
| Jan 2011 – Jun 2011 | | | | | **Personal Tutor** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | * Designed and delivered learning activities for an undergraduate student in Aerospace Engineering with special needs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Istituto Sacro Cuore** | | | | | | | | | | | | | | | | | | | | | | | | | Milano, Italy | | | | | | | |
| Oct 2009 – Jun 2011 | | | | | **Learning Support Teacher** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | * Designed and delivered learning activities for high school students in STEM and Humanities | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Education** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sep 2015 – Dec 2019 | | | | | **PhD** | | | **Polymeric Composite Materials** | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | Luleå University of Technology | | | | | | | | | | | | | | | | | | | | Luleå, Sweden | | | | | | | |
| Sep 2015 – Dec 2019 | | | | | **PhD** | | | **Materials Science** | | | | | | | | | | | | | | | | |  | | | | | | | |
|  | | | | | Université de Lorraine | | | | | | | | | | | | | | | | | | | | Nancy, France | | | | | | | |
| Oct 2010 – Oct 2013 | | | | | **MSc** | | | **Space Engineering** | | | | | | | | | | | | | | | | | **GPA 110/110** | | | | | | | |
|  | | | | | Politecnico di Milano | | | | | | | | | | | | | | | | | | | | Milano, Italy | | | | | | | |
| Sep 2011 – Jun 2012 | | | | | **MSc** | | | **Mechanical Engineering** | | | | | | | | | | | | | | | | | **GPA 4/4** | | | | | | | |
|  | | | | | Drexel University | | | | | | | | | | | | | | | | | | | | Philadelphia, USA | | | | | | | |
| Sep 2007 – Sep 2010 | | | | | **BSc** | | | **Aerospace Engineering** | | | | | | | | | | | | | | | | | **GPA 110/110** | | | | | | | |
|  | | | | | Politecnico di Milano | | | | | | | | | | | | | | | | | | | | Milano, Italy | | | | | | | |
|  | | | | |  | | | | | | | | | | | | | | | | | | | |  | | | | | | | |
| **Professional Development (Selected)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oct – Dec 2021 | | | | | **Higher Education Teaching Certificate** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | Harvard University (through HarvardX) | | | | | | | | | | | | | | | | | | | | | | | | | | | USA |
| Mar 2021 | | | | | **French National Qualification as Assistant/Associate Professor** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | Ministère de l’Enseignement Supérieur et de la Recherche | | | | | | | | | | | | | | | | | | | | | | | | France | | | |
| Sep – Nov 2020 | | | | | **Carpentries Trainer Training** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | The Carpentries | | | | | | | | | | | | | | | | | | | USA | | | | | | | | |
| Jun – Jul 2020 | | | | | **Carpentries Maintainer Training** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | The Carpentries | | | | | | | | | | | | | | | | | | | USA | | | | | | | | |
| Sep 2018 – Jan 2019 | | | | | **Swedish Qualifying Course for University Teachers** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | Luleå University of Technology | | | | | | | | | | | | | | | | | | | | | | | | | | | Sweden |
| Jun – Sep 2017 | | | | | **Carpentries Instructor Training** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | The Carpentries | | | | | | | | | | | | | USA | | | | | | | | | | | | | | |
| Sep – Nov 2016 | | | | | **Project Management** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | Ecole Centrale Lille | | | | | | | | | | | | | France | | | | | | | | | | | | | | |
|  | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | |
| **Computer Skills** | | | | | C++ | | Python | | | | Julia | | | | Fortran | | R | Matlab | | | | | | Mathematica | | | | | | Maple | | |
| Windows Batch | | | Unix Shell | | | Abaqus | | | Ansys | | | | | Comsol | | | FEniCs | | | | OpenFOAM | | | | | | | Thermal Desktop | | | | |
| SQL | | Git | Javascript | | | HTML | | | CSS | | | | VBA | | | Excel | | OpenMP | | | | | MPI | | | CUDA | | | | | OpenACC | |
|  | | | | | | | |  | | | | | | | | | | |  | | | | | | | | | | | | | |
| **Languages** | | | | | **Italian** | | | | | Native speaker | | | | | | | | | | **English** | | | | | | | Highly proficient | | | | | |
|  | | | | | **French** | | | | | Highly proficient | | | | | | | | | | **Spanish** | | | | | | | Highly proficient | | | | | |
|  | | | | | **German** | | | | | Working knowledge | | | | | | | | | | **Swedish** | | | | | | | Working knowledge | | | | | |
|  | | | | |  | | | | |  | | | | | | | | | |  | | | | | | |  | | | | | |
|  | | | | |  | | | | |  | | | | | | | | | |  | | | | | | |  | | | | | |
|  | | | | |  | | | | |  | | | | | | | | | |  | | | | | | |  | | | | | |
| **Teaching** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Courses | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sep 2020 – Feb 2021 | | | | | Solid Mechanics (in French) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | EEIGM, Université de Lorraine | | | | | | | | | | | | | Nancy, France | | | | | | | | | | | | | | |
| *Main Instructor(s):* | | | | | | | | | | | | Luca Di Stasio | | | | | | | | | | | | | | | | | | | | |
| *TA(s):* | | | | | | | | | | | | Thomas Villemin, Zoubir Ayadi, Jean-Philippe Tinnes, Marc Ponçot, Stéphane Andre | | | | | | | | | | | | | | | | | | | | |
| 2018 - 2019 | | | | | Composite Materials | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Autum and Spring Term | | | | | Luleå University of Technology | | | | | | | | | | | | Luleå, Sweden | | | | | | | | | | | | | | | |
| *Main Instructor(s):* | | | | | | | | | | | | Liva Pupure, Janis Varna | | | | | | | | | | | | | | | | | | | | |
| *TA(s):* | | | | | | | | | | | | Luca Di Stasio, Hiba Ben Kahla, Nawres Al-Ramahi | | | | | | | | | | | | | | | | | | | | |
| 2018 - 2019 | | | | | Aerospace Materials | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spring Term | | | | | Luleå University of Technology | | | | | | | | | | | | Luleå, Sweden | | | | | | | | | | | | | | | |
| *Main Instructor(s):* | | | | | | | | | | | | Janis Varna | | | | | | | | | | | | | | | | | | | | |
| *TA(s):* | | | | | | | | | | | | Luca Di Stasio, Hiba Ben Kahla, Nawres Al-Ramahi | | | | | | | | | | | | | | | | | | | | |
| 2018 - 2019 | | | | | Composites: Design and Numerical Methods | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Autum Term | | | | | Luleå University of Technology | | | | | | | | | | | | Luleå, Sweden | | | | | | | | | | | | | | | |
| *Main Instructor(s):* | | | | | | | | | | | | Andrejs Pupurs | | | | | | | | | | | | | | | | | | | | |
| *TA(s):* | | | | | | | | | | | | Luca Di Stasio | | | | | | | | | | | | | | | | | | | | |
| 2018 - 2019 | | | | | Mechanics of Fiber Composites | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spring Term | | | | | Luleå University of Technology | | | | | | | | | | | | Luleå, Sweden | | | | | | | | | | | | | | | |
| *Main Instructor(s):* | | | | | | | | | | | | Liva Pupure | | | | | | | | | | | | | | | | | | | | |
| *TA(s):* | | | | | | | | | | | | Luca Di Stasio | | | | | | | | | | | | | | | | | | | | |
| Sep – Dec 2017 | | | | | Composite Materials (in French) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | EEIGM, Université de Lorraine | | | | | | | | | | | | | Nancy, France | | | | | | | | | | | | | | |
| *Main Instructor(s):* | | | | | | | | | | | | Yves Meshaka | | | | | | | | | | | | | | | | | | | | |
| *TA(s):* | | | | | | | | | | | | Luca Di Stasio | | | | | | | | | | | | | | | | | | | | |
| Sep – Dec 2017 | | | | | Mechanics of Materials I (in French) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | EEIGM, Université de Lorraine | | | | | | | | | | | | | Nancy, France | | | | | | | | | | | | | | |
| *Main Instructor(s):* | | | | | | | | | | | | Zoubir Ayadi | | | | | | | | | | | | | | | | | | | | |
| *TA(s):* | | | | | | | | | | | | Luca Di Stasio, Franck Cleymand, Eloh Komlavi | | | | | | | | | | | | | | | | | | | | |
| Feb – Jun 2017 | | | | | Solid Mechanics (in French) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | EEIGM, Université de Lorraine | | | | | | | | | | | | | Nancy, France | | | | | | | | | | | | | | |
| *Main Instructor(s):* | | | | | | | | | | | | Yves Meshaka | | | | | | | | | | | | | | | | | | | | |
| *TA(s):* | | | | | | | | | | | | Luca Di Stasio | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | |
| Lectures and Workshops | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2022, May 19 | | | | | Introduction to Scientific Computing and Data Analysis with Numpy (in Italian) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | Software Sustainability Institute | | | | | | | | | | | | | Online | | | | | | | | | | | | | | |
| *Main Instructor(s):* | | | | | | | | | | | | Luca Di Stasio | | | | | | | | |  | | | | | | | | | | | |
| *TA(s):* | | | | | | | | | | | | Giacomo Peru | | | | | | | | |  | | | | | | | | | | | |
| 2022, Jan 27-28/Feb 3-4 | | | | | Software Carpentry Workshop: introduction to Python, Shell and Git (in Italian) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | Carpentries Italia and Elixir Italia | | | | | | | | | | | | | | | | | | | | | | | Online | | | | |
|  | | | | | *Main Instructor(s):* | | | | | | | Marco Crotti, Silvia Di Giorgio, Luca Di Stasio, Lisanna Paladin, Martino Sorbaro | | | | | | | | | | | | | | | | | | | | |
|  | | | | | *TA(s):* | | | | | | | Giacomo Peru, Loredana Le Pera | | | | | | | | | | | | | | | | | | | | |
| 2021, Sep 9-10/16-17 | | | | | Software Carpentry Workshop: introduction to Python, Shell and Git (in Italian) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | Carpentries Italia and Elixir Italia | | | | | | | | | | | | | | | | Online | | | | | | | | | | | |
|  | | | | | *Main Instructor(s):* | | | | | | | Silvia Bonaiuto, Vincenza Colonna, Marco Crotti, Gianluca Damaggio, Luca Di Stasio, Loredana Le Pera, Mariano Mollo, Giuseppe Profiti, Martino Sorbaro, Allegra Via, Lisanna Paladin | | | | | | | | | | | | | | | | | | | | |
| 2021, Mar 19/26 | | | | | Software Carpentry Workshop: introduction to Python, Shell and Git (in Italian) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | Carpentries Italia | | | | | | | | | | | | | | | | Online | | | | | | | | | | | |
|  | | | | | *Main Instructor(s):* | | | | | | | Luca Di Stasio, Giorgia Mori, Giacomo Peru, Giuseppe Profiti, Martino Sorbaro | | | | | | | | | | | | | | | | | | | | |
|  | | | | | *TA(s):* | | | | | | | Fabrizio Donzelli, Annarita Marrano, Mosè Giordano, Loredana Le Pera | | | | | | | | | | | | | | | | | | | | |
| 2021, Mar 3-4 | | | | | The Carpentries Instructor Training Workshop | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | The Carpentries | | | | | | | Online | | | | | | | | | | | | | | | | | | | | |
|  | | | | | *Main Instructor(s):* | | | | | | | Luca Di Stasio, Jason Williams | | | | | | | | | | | | | | | | | | | | |
| 2020, Oct 21-23 | | | | | Data Carpentry Genomics Workshop | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | Nord University | | | | | | | Online | | | | | | | | | | | | | | | | | | | | |
|  | | | | | *Main Instructor(s):* | | | | | | | Luca Di Stasio, Endre Sebestyén | | | | | | | | | | | | | | | | | | | | |
|  | | | | | *TA(s):* | | | | | | | Abdurhman Kelil Ali, Kari Haugset Alterskjær, Tadeu Fernando Nogueira | | | | | | | | | | | | | | | | | | | | |
| 2020, Oct 14-16 | | | | | Data Carpentry Ecology Workshop | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | Nord University | | | | | | | Online | | | | | | | | | | | | | | | | | | | | |
|  | | | | | *Main Instructor(s):* | | | | | | | Luca Di Stasio, Endre Sebestyén | | | | | | | | | | | | | | | | | | | | |
|  | | | | | *TA(s):* | | | | | | | Abdurhman Kelil Ali, Kari Haugset Alterskjær, Tadeu Fernando Nogueira | | | | | | | | | | | | | | | | | | | | |
| 2020, June 22 – July 2 | | | | | Data Carpentry Ecology Workshop | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | Biotech Partners | | | | | | | Online | | | | | | | | | | | | | | | | | | | | |
|  | | | | | *Main Instructor(s):* | | | | | | | Luca Di Stasio, Rohit Goswami, Sue McClatchy, Chandra Sarkar, Sayane Shome | | | | | | | | | | | | | | | | | | | | |
| 2020, January 9-10 | | | | | Software Carpentry/Library Carpentry Workshop: Introduction to Python | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | King’s College London | | | | | | | | | | | | | London, UK | | | | | | | | | | | | | | |
|  | | | | | *Main Instructor(s):* | | | | | | | Luca Di Stasio | | | | | | | | | | | | | | | | | | | | |
|  | | | | | *TA(s):* | | | | | | | Stefania Marcotti, Walter Muruez Gutierrez, Neil Jakeman, Alessia Visconti, Natasha Romanova, Fiona Wardle | | | | | | | | | | | | | | | | | | | | |
| 2019, November 21-22 | | | | | Software Carpentry Workshop: introduction to Python, Shell and Git | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | Universität Stuttgart | | | | | | | | | | | | | Stuttgart, Germany | | | | | | | | | | | | | | |
| *Main Instructor(s):* | | | | | | | | | | | | Monah Abou Alezz, Luca Di Stasio | | | | | | | | | | | | | | | | | | | | |
| *TA(s):* | | | | | | | | | | | | Dorothea Iglezakis, Ralf Diestelkämper, Michael Stegmüller, Anett Seeland, Sibylle Hermann | | | | | | | | | | | | | | | | | | | | |
| 2018, October 9-10 | | | | | Software Carpentry Workshop: introduction to R, Shell and Git | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | HPC2N, Umeå University | | | | | | | | | | | | | Umeå, Sweden | | | | | | | | | | | | | | |
| *Main Instructor(s):* | | | | | | | | | | | | Alistair Bailey, Luca Di Stasio | | | | | | | | | | | | | | | | | | | | |
| *TA(s):* | | | | | | | | | | | | Birgitte Briydsö, Pedro Ojeda | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |