



Luca Di Stasio

Researcher & Engineer

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Purpose-driven professional with expertise in R&D and peer-review seeking the position of European Patent Examiner in Mechanical Engineering at the European Patent Office

Reference 17202.

I am writing regarding the opening for the position of European Patent Examiner, which I came across in the weekly IEEE Explorer newsletter. I first got interested in the world of patenting during my Master's studies, and I discovered the EPO when I was a Ph.D. student. I've been reading with great interest about the work you do and the important role the EPO plays in support of European innovation. As a postdoctoral researcher with several years of experience working in international settings, I think I am well qualified for the position of European Patent Examiner.

I have a multidisciplinary background strongly rooted in the engineering sciences, as I started my professional journey with a B.Sc. in Aerospace Engineering, obtained then an M.Sc. in Mechanical Engineering and an M.Sc. in Space Engineering, and finally completed my formation with a Ph.D. in Materials Science and a Ph.D. in Polymeric Composite Materials. Growing as a researcher, I have had the chance of working on several projects in various subjects, from ankle biomechanics to micromechanics of composite materials, from nano-electromechanical systems to the mechanics of soft materials. I have thus developed a wide perspective on the current developments in the field of applied mechanics and materials science. To tackle problems in different fields, I nurtured the ability to effectively search and analyze the existing body of knowledge (articles, books, patents,...) and form a synthetic picture from the many sources available. Computational modeling has been the common theme of my research experience, which has provided me with solid foundations in software design, programming, multi-physics simulation, and data analysis. I am an active peer reviewer for scientific journals (the Journal of Composite Materials, Frattura ed Integrità Strutturale, and the Journal of Open Research Software). I have experience in research funding and grant application writing, in particular with Vinnova (the Swedish Innovation Agency) for a project on neutron-based imaging of damage in composite materials and Code for Science & Society to fund a series of workshops on good coding and data management practices for researchers in Italy. I have been teaching for many years at different levels (high school, undergraduate, and graduate students), and I have re-designed for remote learning and taught as the main instructor a course on Solid Mechanics at the EEIGM (Ecole Européenne d'Ingénieurs en Génie des Matériaux) in France.

The opportunity of living and working in several countries has allowed me not only to become fluent in different languages but most importantly to master cross-cultural communication skills. Flexibility, adaptability, and rapid response to change are qualities that I have nurtured by navigating multiple work environments. From the experience of my Ph.D. project, which was a collaboration between Université de Lorraine in France and Luleå tekniska universitet in Sweden, and of my postdoctoral fellowship, which started remotely due to the Covid-induced travel restrictions, I have learned how to successfully manage complex projects with uncertain boundaries, multiple requirements, and several stakeholders. Honesty, transparency, and a positive attitude towards challenges have helped me earn the respect and trust of superiors and colleagues, which has led to numerous teaching and supervision tasks entrusted to me by supervisors and senior members of the Institutes I worked at. The ability to communicate candidly in the workplace has allowed me to build over the years a broad network across different countries and specialties.

I believe my skills and experience would prove valuable in the service of the EPO's mission. I am looking forward to a personal interview, and the chance to further discuss the value I could bring to the EPO as a European Patent Examiner. In the meantime, I wish to thank you for taking the time to consider my application and review my qualifications.

Best regards,

Luca Di Stasio

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EXAMENSBEVIS | DEGREE CERTIFICATE

Teknologie doktorsexamen

Ämne: Polymera konstruktionsmaterial
har på forskarnivå avlagts av

Doctor of Philosophy (PhD)

*Subject Polymeric Composite Materials
has on the third cycle been awarded to*

Luca Di Stasio

19880419-3376

Luleå tekniska universitet den 18 december 2019
Luleå University of Technology 18 December 2019

Birgitta Bergvall-Kåreborn

Birgitta Bergvall-Kåreborn

Rektor

Vice-Chancellor

Luleå tekniska universitet
Luleå University of Technology

ATTESTATION DE REUSSITE AU DIPLOME

Le Président atteste que

le doctorat en Sciences des Matériaux

a été décerné à

Monsieur LUCA DI STASIO

né le 19 avril 1988 à CERNUSCO SUL NAVIGLIO (ITALIE)

au titre de l'année universitaire 2018/2019

Titre des travaux	: Effet de la microstructure sur le décollement à l'interface fibre/matrice dans les stratifiés à matrice polymère avec renfort en fibre soumis à traction. Influence of microstructure on debonding at the fiber/matrix interface in fiber-reinforced polymers under tensile loading.
Date de soutenance	: 13 décembre 2019
Etablissement soutenance	: Université de Lulea
Jury	: M. YVES BERTHAUD, Président du jury, PROFESSEUR DES UNIVERSITES UNIVERSITE PARIS 6 Mme FEDERICA DAGHIA, Rapporteur du jury, MAITRE DE CONFERENCES HDR ECOLE NORMALE SUP PARIS SACLAY M. KRISTOFER GAMSTEDT, Membre du jury, PROFESSEUR DES UNIVERSITES Université d'Uppsala M. Zoubir AYADI, Directeur de thèse, PROFESSEUR DES UNIVERSITES UNIVERSITÉ DE LORRAINE M. JANIS VARNA, Co-directeur de thèse, PROFESSEUR DES UNIVERSITES Université de Lulea
Ecole doctorale	: Chimie mécanique matériaux physique
Formation doctorale	: Science et ingénierie des matériaux
Section CNU	: 6000 - Mécanique, génie mécanique, génie civil

Fait à Nancy, le 7 janvier 2020



Pierre MUTZENHARDT

N° étudiant : 31532207

RAPPORT DE SOUTENANCE

Concernant la thèse de Doctorat de l'Université de Lorraine
en Sciences des matériaux

Présentée par M. DI STASIO Luca

Le 13 décembre 2019



Mr. Di Stasio gave a very clear and structured presentation of his theoretical and numerical work on the influence of microstructure on fiber matrix debonding.

Luca had numerous questions from the different members of the committee. He provided convincing answers demonstrating his deep comprehension of this subject.

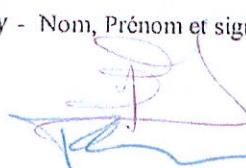
The committee unanimously decided to deliver the grade of "Docteur de l'Université Lorraine" to Luca DI STASIO

Président du Jury - Nom, Prénom et signature :

Pr. Yves BERTHAUD

Membres du Jury - Nom, Prénom et signature :

Pr BERTHAUD Y.



Dr DAGHIA F.

Pr AYADI Z. & Pr VARNA J.



Pr GAMSTEDT K.



N.B. De par décision du Conseil d'administration de l'Université en date du 2 décembre 2002, les jurys de soutenance de thèse n'attribuent plus aucune mention à compter du 1^{er} janvier 2003.



POLITECNICO
DI MILANO

Repubblica Italiana
In nome della Legge

Noi Prof. Ing. Giovanni Azzone Rettore del

POLITECNICO DI MILANO

visti gli attestati degli studi compiuti
visto il risultato della prova finale superata in questo Politecnico il giorno 3 ottobre 2013
conferiamo a

Luca Di Stasio

nato a Cernusco Sul Naviglio (MI) il giorno 19 aprile 1988

la Laurea Magistrale in
Ingegneria Spaziale

Classe di laurea magistrale: n. LM-20 - Ingegneria Aerospaziale e Astronautica

Il presente diploma viene rilasciato a tutti gli effetti di legge.

Milano, addi 3 ottobre 2013

Il Direttore Generale
Graziano Dragoni

Graziano Dragoni

Il Rettore
Giovanni Azzone

Giovanni Azzone

Reg. n. 1013-0435

Il Preside della Scuola
Giovanni Lozza

Giovanni Lozza



POLITECNICO
DI MILANO



Repubblica Italiana
In nome della Legge

Noi Prof. Ing. Giulio Ballio Rettore del

POLITECNICO DI MILANO

visti gli attestati degli studi compiuti
visto il risultato della prova finale superata in questo Politecnico il giorno 22 settembre 2010
conferiamo a

Luca Di Stasio

nato a Cernusco Sul Naviglio (MI) il giorno 19 aprile 1988

la LAUREA in

Ingegneria Aerospaziale

Classe delle Lauree n. L-9 - Ingegneria Industriale

Il presente diploma viene rilasciato a tutti gli effetti di legge

Milano, addì 22 settembre 2010

Il Direttore Amministrativo Giuseppino Molinari

Fritzi Blüher

Il Rettore
Giulio Ballio

Gillis Ballie

Reg. n. 0910-0801

Il Preside della Facoltà
Quírico Semeraro

Ames (Ames)