

Curriculum Vitae



First name, Family name: Filippo Berto
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Date of birth: 12.02.1978 **Nationality:** Italian (born in Vicenza)
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URL for website: <https://www.ntnu.edu/employees/filippo.berto>
URL for the Lab: <https://www.ntnu.edu/mtp/laboratories/mechtestlab>
Wikipedia page: https://en.wikipedia.org/wiki/Filippo_Berto

Section a.1. Higher education

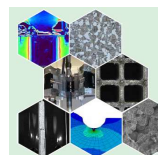
- 2007 Phd in Mechanical Engineering and Structural Design, Department of Mechanical Engineering, University of Firenze, Italy. Main supervisors Prof. Croccolo and Prof. Lazzarin (Outstanding, highest distinction)
 2003 5 yrs Master Degree in Industrial Engineering, University of Padova (Italy) (110/110 cum laude, highest distinction)
 1996 Liceo Paolo Lioy Vicenza (highest distinction), one week as invited student at Scuola Superiore Normale, Pisa during the 5th year of the secondary school

Section a.2. Current positions

- Jan 2016 - ongoing **International Renowned Chair (called Regius Professorship since 1996)** of Mechanics of Materials, Mechanical Metallurgy, Fracture Mechanics, Fatigue Design and Structural Integrity, Department of Industrial and Mechanical Engineering (MTP), Norwegian University of Science and Technology (NTNU). Only 3 chair positions have been assigned in NTNU since 1900 considering all the faculties at NTNU. This position is the highly ranked and most prestigious full professorship position in Norway
 Jan 2016 - ongoing **Founder and Head of the mechanical and material testing division at MTP, NTNU**
 Jan 2016 - ongoing **Founder and Scientific Chair of the 'Materials Design and Compliance' group at MTP, NTNU**
 Apr 2017 ASN national habilitation as full professor in Italy in the sector 09-A3 that remains valid until 2026 satisfying 10 over 10 criteria
 Jan 2014 - ongoing Consultant at Cimolai for the Panama Gates (2014-2016), the Extreme Large Telescope (ELT) (2016-2023) and the Malamocco Gates (2019-2021)
 Jan 2009 - ongoing Consultant at Officine Meccaniche Zanetti (IT) and SINTEF industry (NO)

Section a.3. Previous positions

- Jan 2018 - Dec 2018 **Adjunct Chair 'S. Timoshenko Fellowship', Dep. Mech. Eng. Stanford University.**
 Jan 2015 - Dec 2015 'International Chair' of Mechanics of Materials (20% position) within 'NTNU Excellence Program' frame, Department of Industrial and Mechanical Engineering (MTP, NTNU)
 Jan 2015 - Apr 2015 Visiting Professor in the 'Top Researchers Program' promoted by NTNU
 Oct 2014 - Dec 2015 Associate Professor of Mechanics of Materials, Department of Management and Engineering, University of Padova (Italy)



<i>Nov 2007 - Sept 2014</i>	Assistant Professor of Mechanics of Materials Department of Management and Engineering (DTG), University of Padova (UniPD, Italy)
<i>Jan 2004 - Oct 2007</i>	Aggregate Professor of Structural Integrity, DTG, UniPD, Italy
<i>Apr 2003 - Dec 2003</i>	Teaching and Research Assistant, Dep. Industrial Engineering, UniPD, Italy

Section a.4. Fellowships

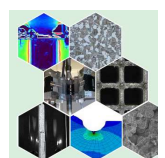
<i>Jan 2021 – ongoing</i>	Distinguished Changjiang Chair Professor at Xi'an Jiaotong University through the Changjiang Scholars Program. The Changjiang (Yangtze River) Scholar award is the highest academic award issued to an individual in higher education by the Ministry of Education of the People's Republic of China. It is also known as the Cheung Kong Scholar and the Yangtze River Scholar award.
<i>Jul 2020 - ongoing</i>	Adjunct Chair of Mechanics of Materials, Erich Schmid Institute of Materials Science, Austrian Academy of Sciences, Leoben, Austria (honorary position)
<i>Jul 2020 - ongoing</i>	Adjunct Chair of Mechanics of Materials, SUPSI, Switzerland (honorary position)
<i>Jan 2019 - ongoing</i>	Adjunct Researcher and consultant at the European Space Agency (ESA) and NASA
<i>Jan 2019 - ongoing</i>	Adjunct Prof. at CERN, involved in the design of the new Large Hadron Collider (LHC)
<i>Jan 2019 - ongoing</i>	Adjunct Honorary Chair of Mechanics of Materials at Mandela Metropolitan University, South Africa
<i>Jan 2016- ongoing</i>	Adjunct Visiting Professor, affiliated to the Mech. Eng. Dept. Stanford Nanoscale Prototyping Laboratory (1 month per year).
<i>Apr 2016 - ongoing</i>	Adjunct Distinguished Chair at Hong Kong Polytechnic Un. (I am teaching a PhD course there)
<i>Jan 2016 - Dec 2019</i>	Adjunct Chair, Dep. Mech. Eng., Aalto University (honorary position)
<i>Jan 2009 - Dec 2016</i>	Visiting prof. Oxford (invited by Prof. Korsunsky, July 2009), Adelaide (invited by Prof. Kotousov, Nov-Dec 2012), Chin. Acad. Sci. (invited by Prof. Hong, Jun-Aug 2013), Un. Kyoto (Invited by Prof. Kitamura, Jun-Jul 2014), Nat. Univ. Singapore, NUS (May 2017, invited by Prof. Ramakrishna), UniTN (invited by Prof. Benedetti, Jun 2020; invited by Pugno, Jun 2021)

Section a.5. Research group and supervision

I am currently leading a huge group (40 people, including technicians and administrative staff) I built from zero at NTNU since 2016 together with the new laboratory.

Thirteen students I have supervised are now in academic positions as full or associate professors.

Other students have top positions in prestigious industries and research centres (Siemens, Rolls-Royce, Ferrari, Ducati, Hydro, Nexans, CERN, ESA, Airbus).



History of supervision:

Dep. Mech. Eng., Norwegian University of Science and Technology

6 Associate Professors (1 part-time 20%), 6 Post Docs, 12 PhD students (main supervisor), 2 Post Doc and 15 Phd students (co-supervisor); 77 final MSc projects since January 2016.

Dep. Industrial Eng., University of Padua

9 PhD students (main supervisor) 9 Phd students (co-supervisor); more than 220 final undergraduate and more than 150 MSc projects from 2004 to 2016.

Section a.6. Teaching activities

Oct 2016 - ongoing

Department of Mechanical Engineering, Norwegian University of Science and Technology. I am teaching the following courses:

Bachelor course (only 2017):

TMM4135 Analysis and Assessment Based on the Finite Element Method, Basic Course

Master courses (2016-2021):

TMM4140 Metallic Materials (120 students)

TMM4160 Fracture Mechanics of Metals (170 students)

TMM4195 Fatigue of Metals (co-lead with Prof. A. Vinogradov, 90 students)

Phd courses (2016-2021):

MM8410 Additive Production with advanced metallic alloys (10 students)

MM8404 Today's view of multiscale fractures and plasticity of metals (5 students)

MM4550 Nanotechnology of metallic materials (10 students)

Best teacher award for the course TMM4160 in 2017, 2018 and 2019 (among 800 courses at NTNU with a score of 4.95/5). TMM4160 is the most populated master course in NTNU

Jan 2007 - Sep 2016

Department of Management and Engineering, University of Padua, I had been teaching the course Advanced Design with Finite Elements in Product Innovation Engineering from 2010 to 2015 (70 students). I had been teaching Machine Element Design in the course of Management Engineering from 2015 to 2017 (350 students). I had been teaching the course Principles of Solid Mechanics from 2009 to 2014. Best teacher award from 2011 to 2015 for the course Advanced Design with Finite Elements (over 680 courses at University of Padua, average score of the course: 9.85/10)

Apr 2003 - Dec 2006

Department of Management and Engineering, University of Padua, teaching assistant of Mechanics of Materials, Structural Integrity and Machine Design, (teaching 40 hours/year)

Section a.7. Institutional responsibilities

Department Industrial and Mechanical Engineering

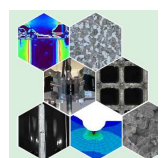
2016 - ongoing

I am founder and head of the mechanical and material testing division at MTP (infrastructure investment achieved from 2016 to 2018 2.5 MEuro, investment from 2019 to 2021, 3.1 MEuro)

Department of Management and Engineering, University of Padua

2014 - 2016

Vice-president of the master course Mech. Engineering,
Head of the scientific committee



2008 - 2016 Responsible for Erasmus students exchange and internal study plan, member of the PhD scientific board in the school of Product Innovation Engineering and Mechatronic, member of the commission for the periodic scientific evaluation (VQR) and of the teaching quality

Section a.8. Commissions of trust

March 2021 Evaluation committee for full professorship at ETH (Zurich)

2020 - ongoing International board member of PhD school, University of Bologna (invited by V. Cozzani)

2020 - ongoing Founder and Co-chair of European Technical Committee on Welding (ESIS, TC18)

2020 - ongoing Member of the Norwegian Academy of Technological Science (the only Italian invited)

2020 - ongoing Delegate for the development of Eurocode 3 and 9

April 2019 Evaluation committee for full professorship at EPFL (Zurich)

2020 - ongoing Consultant for the Italian Ministry of Research MIUR (FISR projects 2020, PE08)

2018 - ongoing Responsible for internationalization, president of the research committee at MTP, NTNU

2018 - ongoing Member of evaluation panel PE08 for different academies of science (Austria, Czech, etc.)

2019 - ongoing Vice president of the Italian Group of Fracture (IGF) and Editor in Chief of the IGF journal

2018 - ongoing Founder and Editor in Chief of Material Design and Processing Communication (Wiley)

2018 - ongoing Delegate of ESIS president for international relationship with ASTM, ASME, ISO, DNV

2016 - ongoing European Chair of Technical Committee 15 on Additive Materials (ESIS)

2016 - ongoing Voting Member of ASTM F42 on Additive Mater. and organizer of different events for ASTM

2014 - ongoing Voting Member of ASTM E08 on Fracture and Fatigue of Metals and of ISO standards

2014 - ongoing European Editor of Fatigue and Fracture of Engineering Materials and Structures published by Wiley (youngest editor of the history of the journal with headquarter in Oxford)

2012 - ongoing Editorial board member of Materials Science Engineering A, Materials and Design, International Journal of Fatigue, Safety Science, Theoretical and Applied Fracture Mechanics, published by Elsevier, Journal of Testing and Evaluation by ASTM, Physical Mesomechanics and Strength of Materials by Springer and other journals (more than 40 journals)

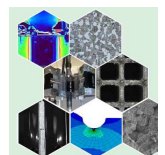
2006 - ongoing Examiner of 57 PhD thesis (32 as internal examiner, 25 as external examiner at University of Oxford, Trento, Torino, Milano, Cambridge, Caltech, Stanford, KU Leuven, TU Wien)

2002 - ongoing Reviewer for more than 400 journals (more than 2000 reviews) including Nature and Science. The main journals that have been served as reviewer are: Material Science Engineering A, Material Science Engineering R, Acta Materialia, Acta Biomaterialia, International Journal of Fatigue, Materials and Design, Fatigue and Fracture of Engineering Materials and Structures, Carbon, Construction and Building Materials, International Journal of Rock Mechanics and Mining Science, Computational Materials Science, Theoretical and Applied Fracture Mechanics, Nature Materials, Advanced Materials, Additive Manufacturing, Physical Mesomechanics and many others.

Section a.9. International collaborations

Since 2002 I have been collaborating with top researchers in my field. Some of them are mentioned below:

G.Glinka (Waterloo), A.Fatemi (Memphis), L.Pook (Im.College), D.Radaj (Braunschweig), N.James (Plymouth), G.Sih (Lehigh), Y.Hong (Chin. Ac. Sci.), T.Kitamura (Kyoto), R.Jones (Monash), D.Leguillon (Inst. D'Alembert), K.Tanaka (Mejio), R. Ritchie (Berkeley), J. Greer (Caltech), D. Taylor (Trin. C. Dub.), J. Marrow (Oxford), F. Prinz (Stanford), S. Ramakrishna (NUS, Singapore), J.Lewis (Harvard), L.De Lorenzis (ETH), M. Elices (Madrid Polyth.), H.Espinosa (Northwestern),



A.Kotousov (Un. Adelaide), A. du Plessis (Stellenbosch), P.Lourenco (Minho), N.Shamsaei (Auburn), J.Kiendl (Bundeswehr, NTNU), J.Stampfl (TU Wien), R.Pippan (Leoben), K.C.Chan (Hong Kong Polyth.), J.Eckert (Leoben), G. Kang (Jiaotong Un.), X.Q. Feng (Tsinghua), E.J. Lavernia (Irvine), A. Korsunsky (Oxford), L. Susmel (Sheffield), Z. Yosibash (Tel Aviv Un.), V.Fontanari (UniTN), M.Bedenetti (UniTN), A.Molinari (UniTN), G.Qian (Chin. Ac. Sci.), S.Bruschi (Un. Padova), S.Bagherifard (Polyth. Milan), N.Pugno (UniTN), N.Fleck (Cambridge), L.Marsavina (Timisoara), M.Ayatollahi (Iran Un. Sci. Tech.), J.Correia (Un. Porto), R.Branco (Coimbra), M. Ortiz (Caltech) and many others.

Section a.10. Main research topics in the last 10 years

1. Physical and mechanical properties of traditional and innovative metals (mainly aluminium, magnesium and titanium alloys) with particular attention to multiscale problems related to damage and degradation due to service loadings
2. Physical and mechanical properties of additively manufacture metals (mainly titanium Ti6Al4V and aluminium AlSi10Mg, but also Inconel 718 and stainless steel 316L)
3. Physical and mechanical properties of innovative solid-state multi-metals weldments (mainly aluminium-steel joints but also copper-aluminium and titanium-copper joints)
4. Physical and mechanical properties of metals in presence of defects (cast iron, steel, Ti6Al4V, aluminium alloys, magnesium alloys)
5. SEM/TEM characterization of crack initiation and propagation in metallic materials (aluminium and titanium alloys)
6. Mechanical and physical properties of magnesium alloys for biomedical applications (mainly for Mg AZ31)
7. Hot-dip galvanization and its influence on the mechanical behaviour of metal manufacts
8. Atomic layer deposition and other advanced techniques for coatings of metals
9. Physical and mechanical properties of metallic weldments (mainly made of steel and aluminium)
10. Physical and mechanical properties of pure lead (and its alloys) used for nuclear applications (in collaboration with CERN)
11. Physical and mechanical behaviour of metals under complex loadings and environmental conditions (CrMoV steels, aluminium alloys, magnesium alloys, titanium alloys)

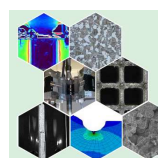
Section a.11 Early achievements track-record

Today, after 19 years of intense academic career, I am author of more than 760 papers in international journals and several papers presented at the major international conferences. I have co-authored 5 papers with my main PhD supervisor (Prof. Croccolo) and 90 with my previous group in Padua. In the remaining more than 600 papers I have been working only with my independent research team. I am proud to report that more than 90% of all my journal papers are in Q1 journals. I have an **H-index of 71 (i-10 index 304) and more than 15,000 citations to my works**, and these are growing with an exponential trend. In 2014 I have been **the first Italian to be invited to submit a review to Mater. Sci. Eng. R (IF=26.62)** and the paper has more than 400 cit. being among the most 10 cited papers in the journal since 2000. Together with my collaborators in UniTN and Prof. Ritchie we have been invited to submit a new review on fatigue of additively manufactured lattice structures that is now published. **A review (dated 2009) is the most cited paper in the history of Theor. Appl. Fract. Mech. since 1984 and over 3000 papers (about 400 cit.).**

Section a.12 Ten selected recent publications

(H-index > 70, M-index (H/yrs after PhD)> 3.7, citations>15000, Q1 journal papers>750, i10-index>300)

[1] Berto F., Lazzarin P. Recent developments in brittle and quasi-brittle failure assessment of engineering materials by means of local approaches (2014) Materials Science and Engineering: R: Reports, 75, 1-48. *Cited 436 times.* IF 26.625. Q1. *(In the list of the top 5 highly cited papers in the last 10 yrs over 4400 papers).*

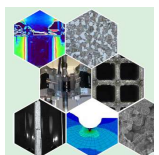


- [2] Sandnes L., Grong Ø., Torgersen J., Welo T., **Berto F.** Exploring the hybrid metal extrusion and bonding process for butt welding of Al–Mg–Si alloys (2020) International Journal of Advanced Manufacturing Technology, 98(5-8), 1059–1065. Cited 25 times. IF 2.633.
- [3] Fergani O., **Berto F.**, Welo T., Liang S.Y. Analytical modelling of residual stress in additive manufacturing (2017) Fatigue & Fracture of Engineering Materials and Structures 40 (6), 971-978. *Cited 70 times. IF 3.03. Q1 (2nd most cited paper in 2017 over more than 250 papers, best paper award 2018 received by the journal).*
- [4] Wu W., Hu W., Qian G., Liao H., Xu X., **Berto F.** Mechanical design and multifunctional applications of chiral mechanical metamaterials (2020) Materials & Design 180, 107950. *Cited 92 times. IF 6.289. Q1. (One of the most cited paper in the journal in the last 3 yrs).*
- [5] Solberg K., **Berto F.** Notch-defect interaction in additively manufactured Inconel 718 (2019) International Journal of Fatigue 122, 35-45. *Cited 36 times. IF 4.37. Q1. (Among the 5 most cited pap. in the last 2 yrs, most downloaded in 2019).*
- [6] Qian G., Jian Z., Pan X., **Berto F.** In-situ investigation on fatigue behaviour of Ti-6Al-4V manufactured by selective laser melting (2020) International Journal of Fatigue 133,105424. *Cited 28 times. IF 4.37, Q1. (Among the most downloaded papers in 2020)*
- [7] Du Plessis A., Razavi SMJ, **Berto F.** The effects of microporosity in struts of gyroid lattice structures produced by laser powder bed fusion (2020) Materials & Design 194, 108899. Cited 5 times. IF 6.289. Q1.
- [8] Razavi S.M.J., Van Hooreweder B., **Berto F.** Effect of build thickness and geometry on quasi-static and fatigue behavior of Ti-6Al-4V produced by Electron Beam Melting (2020) Additive Manufacturing 36, 101426. *Cited 14 times. IF 7.002, Q1.*
- [9] Peron M., Afif A.B., Dadlani A., **Berto F.**, Torgersen J. Comparing physiologically relevant corrosion performances of Mg AZ31 alloy protected by ALD and sputter coated TiO₂ (2020) Surface and Coatings Technology 395, 125922. *Cited 7 times. IF 3.784, Q1.*
- [10] Benedetti M., Du Plessis A., Ritchie, R.O., Dallago M., Razavi S.M.J., **Berto F.** Architected cellular materials: A review on their mechanical properties towards fatigue-tolerant design and fabrication (2021) Materials Science and Engineering R: Reports, 144, 100606112. *Cited 2 times. IF 26.625, Q1. (among the most downloaded papers in 2021).*

Section a.13 Awards based on track records (see my Wikipedia page, https://en.wikipedia.org/wiki/Filippo_Berto)

In March 2018 I received the *Stephen Timoshenko Fellowship* from Stanford University for my 'outstanding contribution to Structural Integrity and Solid Mechanics'. I have been the first recipient in Norway (*2nd in Europe*) of this prestigious recognition. In August 2018 I received the *ESIS (European Structural Integrity Society) Award of Merit* for my track record of publication in the field of structural integrity and for my contribution to the society. I have been the 9th recipient of this award since 1950 (*1st Italian and 1st working in Norway*). In July 2019 I received the *IGF Golden Medal* from the Italian Group of Fracture (IGF) for my works on local approaches. In July 2020 I received the *Wöhler Medal* which is the *most prestigious award in the world related to fatigue and ESIS's highest recognition*. The previous recipient was Prof. P. Paris (2016). I have been *the first Italian* to receive this prestigious recognition and the fourth in Europe in more than 50 years becoming *the only one in Europe* to receive both the *Award of Merit* and the *Wöhler Medal*. In January 2016 I received the fellowship from NTNU as *International Renowned Chair (previously named Regius Professorship, 1st in Europe)*. I have been the 3rd to receive this recognition since 1890 and the first belonging to the Engineering Faculty. I am in the top Italian scientist (TIS) list in the engineering field (*1st ranked in Mechanics* all time). In September 2013 I received the *Capocaccia Prize 2013* at the Italian conference for stress analysis held in Salerno. In September 2012 I received the *Sih Golden Medal*, prize at the conference Mesomechanics held in Budapest. In 2021 I have been nominated *Distinguished Changjiang Chair Professor at Xi'an Jiaotong University through the Changjiang Scholars Program*. I have been the first Italian to be awarded with this prestigious recognition. The Changjiang (Yangtze River) Scholar award is the highest academic award issued to an individual in higher education by the Ministry of Education of the People's Republic of China. It is also known as the Cheung Kong Scholar and the Yangtze River Scholar award. I am also vice-president of the Italian Group of Fracture and candidate as next president since June 2021. In November 2020, I have been listed as 2% top scientist released by Stanford University (first in Norway in Material Science). In March 2021, I have been contacted by Nature Index because I have been ranked among the first top researchers in the world in the field of Material Science (6th position). Other awards are not mentioned here for sake of brevity.

Section a.14 Recent invited talks (more than 25 as plenary speaker, more than 50 as key-note speaker)



Jun 2021	Invited key-note speaker at ICF 15 (International Conference on Fracture) Atlanta 2021.
Jun 2020	Plenary lecture at ECF23 (European Conference on Fracture) as celebration of the Wohler Medal.
Dec 2019	Invited talk at CERN about high strain behaviour of graphite at elevate temperature. Memorandum of Understanding between NTNU and CERN for development of new graphite and graphene materials.
Nov 2018	Invited talk at the Next Generation Material Design by Layered Manufacturing Technologies on November 13-14, 2018, Stanford, USA, funded by the organizers. Only European speaker at the event.
Aug 2018	Invited guest at Berkeley University. Meeting for discussing the scientific content of ButterFly and the participation to the project steering committee. Invited seminar funded by the organizers. Agreement for sharing data and results within this project.
Aug 2018	Invited guest at Caltech California. Invited seminar funded by the organizers. Invitation of a Caltech delegation in NTNU for the month of July 2019. Discussion about ButterFly activities and planning.
Aug 2018	Invited talk at ECF22 as recipient of the ESIS (European Structural Integrity Society) award of merit (first Italian recipient, 3 rd European recipient of the award since 1950).
Mar 2018	Invited talk in Stanford as recipient of the 'Stephen Timoshenko Fellowship. Second European recipient.
Feb 2018	Invited talk as guest at Harvard funded by the organizers.
Dec 2017	Invited at the Noble Prize ceremony in the Norwegian delegation due to my role as Regius Professor.
Sep 2016	Invited plenary lecture in the Conference Crack Paths 2016, Ferrara, September 2016, fully funded by the organizers (2 nd Italian plenary speaker since 2000).
Apr 2015	Main organizer and founder with Prof. A. Fatemi - University of Toledo, USA, D. F. Socie - University of Illinois, USA of the workshop entitled: Challenges in Multiaxial Fatigue 22 to 24 April 2015. Plenary speaker at the event (only European plenary speaker).
Jun 2014	Plenary speaker at the conference ICEAF IV, Skiathos, Greece, funded by the organizers.
Jun 2013	Keynote speaker at the International Conference on Fracture (ICF13), Beijing, China (only European).
Mar 2013	Plenary speaker at the World conference on aircraft and fatigue failure, Beijing, China (only European).
Dec 2012	Plenary speaker at the Australian Conference on Fracture, Adelaide, Australia (only European).
Jun 2012	Plenary speaker at the Mesomechanics 2012, Budapest Hungary, funded by organizers.
Apr 2011	Keynote speaker at the First Int J Fatigue & FFEMS workshop on crack tip stresses/strains Udine, Italy.
Jun 2009	Keynote speaker at the conference Mesomechanics 2009, Oxford, Trinity College, UK.

Section a.15 Activity as editor-in-chief and editor

Editor in Chief of Materials

European Editor of Fatigue and Fracture of Engineering Materials and Structures

Editor in Chief of Fracture and Structural Integrity

Editor in Chief of Materials Design and Processing Communication and founder of the journal

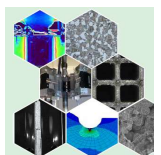
Ed. in Chief of Applied Science

Editorial Board Member of more than 40 journals including International Journal of Fatigue, Materials and Design, Materials Science Engineering A, Theoretical and Applied Fracture Mechanics, Physical Mesomechanics, Metals, Polymers testing, Advanced Engineering Materials, Applied Surface Science Advances, Applications in Engineering Science, Safety Science, Forces in Mechanics, International Journal of Damage Mechanics, Strength of Materials,

Section a.16 Activity as guest editor

I have been the guest editor for more than 80 Special Issues dedicated to different aspects of materials characterization. Here some recent issues:

2022	'Nature inspired design' with Ritchie and Zhang in Int. J. Fatigue.
2021	'Fatigue of architecture additively manufactured Materials' with Shamsaei, Benedetti, du Plessis in Int. J. Fatigue.
2020	'Fatigue of Additive Materials, ESIAM19' with Susmel, Qian, Torgersen and Van Hooreweder in Int. J. Fatigue.
2020	'Physics of fracture in Additive Materials, ESIAM19' with Benedetti, Bagherifard, Bo, Torgersen in Theor. Appl. Fract. Mech.
2018	'Nanomechanics' with Kitamura in Theor. Appl. Fract. Mech.
2016	'Notch Mechanics' with Glinka in Theor. Appl. Fract. Mech.
2016	'Fracture & fatigue of advanced engineering materials' with Zhang in Adv. Eng. Mater.
2016	'ICEAF-IV Engineering Against Failure' with Neil James (Ed. in Chief of Int. J. Fatigue, senior staff member here).



I hereby authorize the use of my personal data in accordance to the GDPR 679/16 - "European regulation on the protection of personal data".

Prof. Filippo Berto
Trondheim 10.03.2021

