



SCUOLA  
ALTI STUDI  
LUCCA

**Decreto del Rettore**  
**Ufficio Risorse Umane e Organizzazione**  
**Responsabile Lara Bertoncini**  
**Autore Emilia Spinetti**  
**Classificazione VII.16**

## IL RETTORE

**VISTO** lo Statuto della Scuola IMT Alti Studi Lucca, emanato con Decreto Direttoriale n. 05973(214).I.2.02.07.19, pubblicato nella Gazzetta Ufficiale, Serie Generale - n. 163 del 13 luglio 2019, modificato con Decreto Direttoriale n. 03610(160).I.2.22.04.21 pubblicato sulla Gazzetta Ufficiale, Serie Generale, n. 108 del 7 maggio 2021 e con Decreto Direttoriale n. 04794(145).I.2.22.04.22 - Pubblicato sulla Gazzetta Ufficiale della Repubblica Italiana – Serie Generale – n. 105 del 6 maggio 2022;

**VISTO** il decreto MUR prot. n. 1165 del 7 agosto 2024 con il quale il Prof. Lorenzo Casini è nominato Rettore della Scuola IMT Alti Studi Lucca per la durata di tre anni a decorrere dal 1° novembre 2024;

**VISTA** la Legge 30 dicembre 2010, n. 240, "Norme in materia di organizzazione delle Università, di personale accademico e reclutamento, nonché delega al Governo per incentivare la qualità e l'efficienza del sistema universitario" e ss.mm.ii.;

**VISTO** il D.lgs. 11 aprile 2006, n. 198 "Codice delle pari opportunità tra uomo e donna, a norma dell'articolo 6 della legge 28 novembre 2005, n. 246";

**VISTO** il D.lgs. 30 marzo 2001, n. 165 "Norme generali sull'ordinamento del lavoro alle dipendenze delle amministrazioni pubbliche" e, in particolare, l'articolo 7;

**VISTO** l'articolo 1, comma 303, lettera a), della Legge di bilancio per l'anno 2017 che stabilisce che i contratti di cui all'articolo 7, comma 6, del Decreto Legislativo 30 marzo 2001, n. 165, stipulati dalle università statali non sono soggetti al controllo preventivo previsto dall'articolo 3, comma 1, lettera f-bis), della Legge 14 gennaio 1994, n. 20;

**VISTO** il "Regolamento sull'affidamento di incarichi di Visiting Professor e Visiting Research Fellow" emanato con Decreto Rettoriale n. 11475 del 10 giugno 2025;

**VISTA** la comunicazione in data 20 giugno 2025 (PROT. IMT n. 12683 del 23/06/2025) del Prof. Jose Antonio Reinoso Cuevas con la quale manifesta il proprio consenso all'inserimento nell'Albo Visiting della Scuola IMT;

**VISTO** l'Albo Visiting della Scuola IMT (PROT. IMT n. 14243 del 08/07/2025);

**CONSIDERATA** la nota del Prof. Marco Paggi con la quale propone l'affidamento di un incarico di Visiting Professor presso l'Area Scientifica Multidisciplinare Scienze dei Sistemi al prof. Jose Antonio Reinoso Cuevas, Tenure Track Full Professor presso la Escuela Técnica Superior de Ingeniería dell'Università di Siviglia, avente ad oggetto attività di ricerca e supporto alla formazione dottorale e alla supervisione delle allieve e degli allievi del PhD in Systems Science, Track in Computational Mechanics;

**CONSIDERATA** l'approvazione da parte del Prof. Alberto Bemporad, in qualità di Responsabile *pro-tempore* della predetta Area Scientifica Multidisciplinare, all'affidamento del predetto incarico;

**PRESO ATTO** dell'alta qualificazione del Prof. Jose Antonio Reinoso Cuevas, esperto di fama internazionale sui metodi numerici ed in particolare sul metodo degli elementi finiti, con competenze confermate da 134 articoli indicizzati nella banca dati SCOPUS sulla modellazione dei gusci, dei materiali compositi per applicazioni aerospaziali, sulla meccanica della frattura e sul contatto, e della sua ampia rete di collaborazioni internazionali frutto di periodi di studi e ricerca in prestigiose università, tra cui Stanford (USA) e la Leibniz University of Hannover (Germania);

**RITENUTO** che le suddette circostanze consentano di qualificare la prestazione del docente in questione come infungibile;

**VISTO** lo stanziamento sulla voce C.A.04.41.10.11 - Visiting Professor;

**ACCERTATA** la disponibilità finanziaria del Fondo IMT Generale (fondi allocati per l'anno 2025 all'Area Scientifica Multidisciplinare Scienze dei Sistemi per posizioni Visiting Professor e per Convenzioni);

## **DECRETA**

di conferire al prof. Jose Antonio Reinoso Cuevas, nato a Siviglia (Spagna) il 17/05/1982, (C.F. RNSJSO82E17Z131O), residente a Siviglia (Spagna) in La Moraleja 14 1C (CAP 41020), un incarico di Visiting Professor con le seguenti specifiche:

**Tipo di Contratto:** contratto di lavoro autonomo

**Oggetto del contratto:** Attività di ricerca e supporto alla formazione dottorale e alla supervisione delle allieve e degli allievi del PhD in Systems Science, Track in Computational Mechanics, della Scuola. Le attività riguarderanno nello specifico lo sviluppo di modelli non lineari di meccanica dei solidi e delle strutture nel metodo degli elementi finiti, con particolare attenzione alla modellazione e alla simulazione di problemi di meccanica della frattura con il metodo "phase field", problemi di meccanica di contatto e problemi accoppiati con fenomeni di diffusione.

**Area Scientifica Multidisciplinare:** Scienze dei Sistemi

**Unità di Ricerca:** MUSAM

**Responsabile scientifico:** prof. Marco Paggi

**Durata:** 1 mese

**Compenso lordo complessivo:** € 4.100,00 a valere sul Fondo IMT Generale (fondi allocati per l'anno 2025 all'Area Scientifica Multidisciplinare Scienze dei Sistemi per posizioni Visiting Professor e per Convenzioni)

(Allegato: Curriculum Vitae prof. Jose Antonio Reinoso Cuevas)

Lucca, data della firma digitale

Lorenzo Casini  
Rettore  
Scuola IMT Alti Studi Lucca  
(firmato digitalmente)

## Curriculum Vitae – José Reinoso

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### PERSONAL INFORMATION

Name: José Reinoso  
ID Number: 14327029-F  
Date of Birth: 17 May 1982  
Address: La Moraleja 14 1C, 41020 Seville, Spain  
☎ +34 645630412  
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### EDUCATION

Dr. Mechanical Engineering Oct. 2007 – May 2012  
Universidad de Sevilla, Spain. Graduation with Distinction (Summa Cum Laude)  
Advisers: Prof. Federico París, Prof. Antonio Blázquez  
Thesis: Study of Composite Stiffened Panels in Postbuckling Regime

M.Sc., Civil Engineering Oct. 2017 – Dec. 2019  
Universidad de Sevilla, Spain

M.Sc., Advanced Design in Mechanical Engineering Oct. 2007 – Dec. 2008  
Universidad de Sevilla, Spain

M.Sc., Marketing and Business Administration Oct. 2006 – June 2008  
UNED, Spain

M.Sc., Mechanical Engineering Oct. 2000 – July 2006  
Universidad de Sevilla, Spain  
Thesis: Non-linear dynamic behavior of cables

### PROFESSIONAL EXPERIENCE

Tenure Track Full Professor May 2024 –present  
Department of Continuum Mechanics and Theory of Structures, Universidad de Sevilla,  
Spain.

Tenure Track Associate Professor May 2021 –April 2024  
Department of Continuum Mechanics and Theory of Structures, Universidad de Sevilla,  
Spain.

Tenure Track Assistant Professor Jan. 2012–May 2021  
Department of Continuum Mechanics and Theory of Structures, Universidad de Sevilla,  
Spain.

Postdoctoral Researcher Aug. 2012–Dec. 2014  
Institute of Structural Analysis, Leibniz Universität Hannover, Germany.  
Research assistant in Micro-crack modeling in photovoltaic module.

Teaching Assistant Sept. 2011–Aug. 2012  
Department of Continuum Mechanics and Theory of Structures, Universidad de Sevilla,  
Spain.  
Teaching assistant in Strength of Materials and Mechanics of Composites courses.

Research Assistant Sept. 2007–Aug. 2012  
Department of Continuum Mechanics and Theory of Structures, Universidad de Sevilla,  
Spain.  
Research in computational analysis of postbuckling of stiffened panels and damage me-

chanics of composite structures.

TEACHING  
EXPERIENCE

- Elasticity and Strength of Materials, Mechanical Engineering. Lab Instructor. Universidad de Sevilla (Spain), course: 2007-08.
- Composites and Lightweight Structures. Teacher. Leibniz Universität Hannover (Germany), course: 2013-14.
- Numerical and Experimental Methods in Mechanical Engineering, Materials Engineering. Teacher. Universidad de Sevilla (Spain), course: 2014-15.
- Strength of Materials, Civil Engineering. Lab Instructor. Universidad de Sevilla (Spain), course: 2014-15.
- Elasticity and Strength of Materials, Mechanical Engineering. Teacher. Universidad de Sevilla (Spain), course: 2015-16.
- Solid Mechanics, Aeronautical Engineering. Teacher. Universidad de Sevilla (Spain), course: 2015-16.
- Elasticity and Strength of Materials, Materials Engineering. Teacher. Universidad de Sevilla (Spain), course: 2015-16.
- Numerical and Experimental Methods in Mechanical Engineering, Mechanical Engineering. Teacher. Universidad de Sevilla (Spain), course: 2015-16.
- Numerical and Experimental Methods in Mechanical Engineering, Materials Engineering. Teacher. Universidad de Sevilla (Spain), course: 2015-16.
- Nonlinear Continuous Mechanics, Advanced Design in Mechanical Engineering. Teacher. Universidad de Sevilla (Spain), course: 2016-17.
- Continuous Mechanics, Civil Engineering. Teacher. Universidad de Sevilla (Spain), course: 2016-17.
- Elasticity and Strength of Materials, Materials Engineering. Teacher. Universidad de Sevilla (Spain), course: 2016-17.
- Numerical and Experimental Methods in Mechanical Engineering, Mechanical Engineering. Teacher. Universidad de Sevilla (Spain), course: 2016-17.
- Numerical and Experimental Methods in Mechanical Engineering, Materials Engineering. Teacher. Universidad de Sevilla (Spain), course: 2016-17.
- Elasticity and Strength of Materials, Materials Engineering. Teacher. Universidad de Sevilla (Spain), course: 2017-present.
- Numerical and Experimental Methods in Mechanical Engineering, Mechanical Engineering. Teacher. Universidad de Sevilla (Spain), course: 2017-present.
- Elasticity and Strength of Materials, Materials Engineering. Teacher. Universidad de Sevilla (Spain), course: 2018-19.
- Numerical and Experimental Methods in Mechanical Engineering, Mechanical Engineering. Teacher. Universidad de Sevilla (Spain), course: 2018-present.
- Continuum Mechanics, Mechanical Engineering. Teacher. Universidad de Sevilla (Spain), course: 2020-present.

HONORS AND  
AWARDS

Juan Carlos Simó Award. Best Young researcher on Numerical Methods in Engineering. SEMNI, 2019.

Best PhD Thesis on Composite Materials Prize, Spanish Association of Composite Materials (AEMAC [www.aemac.org](http://www.aemac.org)), 2013.

Best PhD Thesis on Aeronautics, EADS Chair on Aeronautical Studies, Universidad de Sevilla, Spain, 2013.

Erasmus Grant, University of Bristol (U.K.). End of Studies Project on bifurcation analysis of cable-stayed bridges, Sept. 2006–July 2007.

Excellence Scholarship Andalusian Government for research stays in foreign institutions. Institute of Structural Mechanics, Universität Stuttgart (Germany), Prof. Ekkehard Ramm and Prof. Manfred Bischoff, Sept. 2009–Dec. 2009, July 2011–Oct. 2011.

Excellence Scholarship Andalusian Government, PhD studies 2008–2012.

- JOURNAL PAPERS
- [1]. A Blázquez, **J Reinoso**, F París, J Cañas. Postbuckling behavior of a pressurized stiffened composite panel –Part II: Numerical analysis. Effect of the geometrical imperfections. *Composite Structures* 94 (5), 1544-1554, 2012.
  - [2]. **J Reinoso**, A Blázquez, F París, J Cañas, JC Meléndez Postbuckling behaviour of a pressurized stiffened composite panel –Part I: Experimental study. *Composite Structures* 94 (5), 1533-1543, 2012.
  - [3]. **J Reinoso**, A Blázquez, A Estefani, F París, J Cañas, E Arévalo, F Cruz. Experimental and three-dimensional global-local finite element analysis of a composite component including degradation process at the interfaces. *Composites Part B: Engineering* 43 (4), 1929-1942, 2012.
  - [4]. **J Reinoso**, A Blázquez, A Estefani, F París, J Cañas. A composite runout specimen subjected to tension-compression loading conditions: Experimental and global-local finite element analysis. *Composite Structures* 101, 274-289, 2013.
  - [5]. **J Reinoso**, M Paggi. A consistent interface element formulation for geometrical and material nonlinearities. *Computational Mechanics* 54 (6), 1569–1581, 2014.
  - [6]. M Paggi, **J Reinoso**. An anisotropic large displacement cohesive zone model for fibrillar and crazing interfaces. *International Journal of Solids and Structures* 69, 106-120, 2015.
  - [7]. P Areias, **J Reinoso**, P Camanho, T Rabczuk. A constitutive-based element-by-element crack propagation algorithm with local mesh refinement. *Computational Mechanics* 56 (2), 291-315, 2015.
  - [8]. A Dean, S Sahraee, **J Reinoso**, R Rolfes. Finite deformation model for short fiber reinforced composites: Application to hybrid metal-composite clinching joints. *Composite Structures* 151, 162-171, 2016.
  - [9]. S Huehne, **J Reinoso**, E Jansen, R Rolfes. A two-way loose coupling procedure for investigating the buckling and damage behaviour of stiffened composite panels. *Composite Structures* 136, 513-525, 2016.
  - [10]. **J Reinoso**, A Blázquez. Application and finite element implementation of 7-parameter shell element for geometrically nonlinear analysis of layered CFRP composites. *Composite Structures* 139, 263-276, 2016.
  - [11]. **J Reinoso**, M Paggi, R Rolfes. A computational framework for the interplay between delamination and wrinkling in functionally graded thermal barrier coatings. *Computational Materials Science* 116, 82-95, 2016.
  - [12]. C Borri, M Paggi, **J Reinoso**, FM Borodich. Adhesive behaviour of bonded paperlayers: Mechanical testing and statistical modelling. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, 230

(9):1440-1448, 2016.

[13]. **J Reinoso**, A Blázquez, L Távara, F París, C Arellano. Damage tolerance of composite runout panels under tensile loading. *Composites Part B: Engineering* 96, 79-93, 2016.

[14]. **J Reinoso**, M Paggi, P Areias. A finite element framework for the interplay between delamination and buckling of rubber-like bi-material systems and stretchable electronics. *Journal of the European Ceramic Society* 36 (9), 2371-2382, 2016.

[15]. **J Reinoso**, A Blázquez. Geometrically nonlinear analysis of functionally graded power-based and carbon nanotubes reinforced composites using a fully integrated solid shell element. *Composite Structures* 152, 277-294, 2016.

[16]. A Dean, **J Reinoso**, S Sahraee, R Rolfes. An invariant-based anisotropic material model for short fiber-reinforced thermoplastics: coupled thermo-plastic formulation. *Composites Part A: Applied Science and Manufacturing* 90, 186-199, 2016.

[17]. P Areias, T Rabczuk, **J Reinoso**, JC de Sá. Finite-strain low order shell using least-squares strains and two-parameter thickness extensibility. *European Journal of Mechanics-A/Solids* 61, 293-314, 2017.

[18]. A Dean, S Sahraee, K Ozenc, **J Reinoso**, R Rolfes, M Kaliske. A thermodynamically consistent framework to couple damage and plasticity microplane-based formulations for fracture modeling: development and algorithmic treatment. *International Journal of Fracture* 203 (1-2), 115-134, 2017.

[19]. **J Reinoso**, M Paggi, A Blázquez. A nonlinear finite thickness cohesive interface element for modeling delamination in fibre-reinforced composite laminates. *Composites Part B: Engineering* 109, 116-128, 2017.

[20]. PR Budarapu, **J Reinoso**, M Paggi. Concurrently coupled solid shell-based adaptive multiscale method for fracture. *Computer Methods in Applied Mechanics and Engineering* 319, 338-365, 2017.

[21]. **J Reinoso**, M Paggi, C Linder. Phase field modeling of brittle fracture for enhanced assumed strain shells at large deformations: formulation and finite element implementation. *Computational Mechanics* 59 (6), 981-1001, 2017.

[22]. M Paggi, **J Reinoso**. Revisiting the problem of a crack impinging on an interface: A modeling framework for the interaction between the phase field approach for brittle fracture and the interface cohesive zone model. *Computer Methods in Applied Mechanics and Engineering* 321, 145-172, 2017.

[23]. A Dean, S Sahraee, **J Reinoso**, R Rolfes. A new invariant-based thermo-plastic model for finite deformation analysis of short fibre reinforced composites: Development and numerical aspects. *Composites Part B: Engineering* 125, 241-258, 2017.

[24]. **J Reinoso**, A Arteiro, M Paggi, PP Camanho. Strength prediction of notched thin ply laminates using finite fracture mechanics and the phase field approach. *Composites Science and Technology* 150, 205-216, 2017.

[25]. J Justo, **J Reinoso**, A Blázquez. Experimental failure investigation of pull-off tests of single T-stiffened composite specimens. *Composite Structures* 177, 13-27, 2017.

- [26]. **J Reinoso**, G Catalanotti, A Blázquez, P Areias, PP Camanho, F París. A consistent anisotropic damage model for laminated fiber-reinforced composites using the 3D-version of the Puck failure criterion. *International Journal of Solids and Structures* 126, 37-53, 2017.
- [27]. V Carollo, **J Reinoso**, M Paggi. A 3D finite strain model for intralayer and interlayer crack simulation coupling the phase field approach and cohesive zone model. *Composite Structures* 182, 636-651, 2017.
- [28]. A Haldar, **J Reinoso**, E Jansen, R Rolfes. Thermally induced multistable configurations of variable stiffness composite plates: Semi-analytical and finite element investigation. *Composite Structures* 183, 161-175, 2018.
- [29]. P Areias, **J Reinoso**, PP Camanho, JC de Sá, T Rabczuk. Effective 2D and 3D crack propagation with local mesh refinement and the screened Poisson equation. *Engineering Fracture Mechanics* 189, 339-360, 2018.
- [30]. M Paggi, M Corrado, **J Reinoso**. Fracture of solar-grade anisotropic polycrystalline Silicon: A combined phase field-cohesive zone model approach. *Computer Methods in Applied Mechanics and Engineering* 330, 123-148, 2018.
- [31]. L García-Guzmán, L Távara, **J Reinoso**, J Justo, F París. Fracture resistance of 3D printed adhesively bonded DCB composite specimens using structured interfaces: Experimental and theoretical study. *Composite Structures* 188, 173-184, 2018.
- [32]. P Areias, RN Jorge, JC de Sá, T Rabczuk, **J Reinoso**. General constitutive up-dating for finite strain formulations based on assumed strains and the Jacobian. *Finite Elements in Analysis and Design* 143, 32-45, 2018.
- [33]. V Carollo, **J Reinoso**, M Paggi. Modeling complex crack paths in ceramic laminates: A novel variational framework combining the phase field method of fracture and the cohesive zone model. *Journal of the European Ceramic Society* 38 (8), 2994-3003, 2018.
- [34]. L Távara, **J Reinoso**, D Castillo, V Mantič. Mixed-mode failure of interfaces studied by the 2D linear elastic-brittle interface model: Macro-and micro-mechanical finite-element applications in composites. *The Journal of Adhesion* 94 (8), 627-656, 2018.
- [35]. PR Budarapu, B Javvaji, **J Reinoso**, M Paggi, T Rabczuk. A three dimensional adaptive multiscale method for crack growth in Silicon. *Theoretical and Applied Fracture Mechanics* 96, 576-603, 2018.
- [36]. G Mariggio, **J Reinoso**, M Paggi, M Corrado. Peeling of thick adhesive interfaces: The role of dynamics and geometrical nonlinearity. *Mechanics Research Communications* 94, 21-27, 2018.
- [37]. **J Reinoso**, P Durand, PR Budarapu, M Paggi. Crack patterns in heterogenous rocks using a combined phase field-cohesive interface modeling approach. *Energies*, 12 (6), 965, 2019.
- [38]. NK Jha, **J Reinoso**, H Deghani, J Merodio. Constitutive modelling framework for residually stressed viscoelastic solids at finite strains. *Mechanics Research Commu-*

nications, 95, 79-84, 2019.

[39]. V Carollo, M Paggi, **J Reinoso**. The steady-state Archard adhesive wear problem revisited based on the phase field approach to fracture. *International Journal of Fracture*, 1-10, 2018.

[40]. P Areias, JC Lopes, MP Santos, T Rabczuk, **J Reinoso**. Finite strain analysis of limestone/basaltic magma interaction and fracture: Low order mixed tetrahedron and remeshing. *European Journal of Mechanics-A/Solids* 73, 235-247, 2019.

[41]. L Távara, **J Reinoso**, A Blázquez, V Mantić . On the 3D extension of failure models for adhesive joints under mixed-mode fracture conditions: LEBIM and CZM. *Theoretical and Applied Fracture Mechanics*, 100, 362-376, 2019.

[42]. NK Jha, **J Reinoso**, H Dehghani, J Merodio. A computational model for fiber-reinforced composites: hyperelastic constitutive formulation including residual stresses and damage. *Computational Mechanics*, 1-18, 2018.

[43]. A Quintanas-Corominas, **J Reinoso**, E Casoni, A. Turon, JA Mayugo. A phase field approach to simulate intralaminar and translaminar fracture in long fiber composite materials. *Composite Structures*, 220:899-911, 2019.

[44]. T Guillén-Hernández, **J Reinoso**, M Paggi. Fracture analysis of thin films on compliant substrates: a numerical study using the phase field approach of fracture. *International Journal of Pressure Vessels and Piping*. 175:103913, 2019.

[45]. **J Reinoso**, M Paggi, P Areias, A Blázquez. Surface-based and solid shell formulations of the 7-parameter shell model for layered CFRP and functionally graded power-based composite structures. *Mechanics of Advanced Materials and Structures* 1-19, 2018.

[46]. H Dehghani, D Desena-Galarza, NK Jha, **J Reinoso**, J Merodio. Bifurcation and post-bifurcation of an inflated and extended residually-stressed circular cylindrical tube with application to aneurysms initiation and propagation in arterial wall tissue. *Finite Elements in Analysis and Design*, 161, 51-60, 2019.

[47]. Jha, NK, J Merodio, **J Reinoso**. A general non-local constitutive relation for residually stressed solids. *Mechanics Research Communications*, 101, 103421, 2019.

[48]. L García-Guzmán, L Távara, **J Reinoso**, F París. Fracture energy characterisation of a structured interface by means of a novel J-Integral procedure. *Journal of Strain Analysis for Engineering Design* 54(7-8), 364-378, 2019.

[49]. A Arteiro, G Catalanotti, **J Reinoso**, P Linde, PP Camanho. Simulation of the mechanical response of thin-ply composites: From computational micro-mechanics to structural analysis. *Archives of Computational Methods in Engineering*, 1-43, 2018.

[50]. T Guillén-Hernández, IG García, **J Reinoso**, M Paggi. A micromechanical analysis of inter-fiber failure in long reinforced composites based on the phase field approach of fracture combined with the cohesive zone model. *International Journal of Fracture*, 220(2), 181-203, 2019.

[51]. A Quintana-Corominas, A Turón, **J Reinoso**, E Casoni, M Paggi, JA Mayugo. A phase field approach enhanced with a cohesive zone model for modeling delamination



induced by matrix cracking. *Computer Method in Applied Mechanics and Engineering*, 358, 112618, 2020.

[52]. MT Aranda, IG García, **J Reinoso**, V Manti, M Paggi. Crack arrest through branching at curved weak interfaces: An experimental and numerical study. *Theoretical and Applied Fracture Mechanics* 105,102389, 2020.

[53]. A Dean, **J Reinoso**, NK Jha, E Mahdi, R Rolfes. A phase field approach for ductile fracture of short fibre reinforced composites. *Theoretical and Applied Fracture Mechanics*, 106,102495, 2020.

[54]. F Fantoni, A Bacigalupo, M Paggi, **J Reinoso**. A phase field approach for damage propagation in periodic microstructured materials. *International Journal of Fracture*, 223(1-2), 53-76, 2020.

[55]. T Guillén-Hernández, A Quintana-Corominas, IG García, **J Reinoso**. In-situ strength effects in long fibre reinforced composites: a micro-mechanical analysis using the phase field approach of fracture. *Theoretical and Applied Fracture Mechanics*, 102621, 2020.

[56]. L García-Guzmán, **J Reinoso**, L Távara, F París. A consistent finite displacement and rotation formulation of the Linear Elastic Brittle Interface Model for triggering interlaminar damage in fiber-reinforced composites. *Theoretical and Applied Fracture Mechanics*, 108, 102644, 2020.

[57]. L García-Guzmán, **J Reinoso**, A Valderde, E Martínez-Pañeda, L Távara. Numerical study of interface cracking in composite structures using a novel geometrically nonlinear Linear Elastic Brittle Interface Model: mixed-mode fracture conditions and application to structured interfaces. *Composite Structures*, 112495, 2020.

[58]. M Paggi, **J Reinoso**. A variational approach with embedded roughness for adhesive contact problems. *Mechanics of Advanced Materials and Structures*. 1–17, 2019.

[59]. A Dean, PK Asur Vijaya Kumar, **J Reinoso**, C Gerendt, M Paggi, E Mahdi, R Rolfes. A multi phase-field fracture model for long fiber reinforced composites based on the Puck theory of failure. *Composite Structures*, 251, 112446, 2020.

[60]. AR Dusane, PR Budarapu, AK Pradhan, S Natarajan, **J Reinoso**, M Paggi Simulation of bridging mechanisms in complex laminates using a hybrid PF-CZM method. *Mechanics of Advanced Materials and Structures*. Aceptado para publicación, 2021.

[61]. A Font, NK Jha, H. Dehghani, **J Reinoso**, J Merodio. Modelling of residually stressed, extended and inflated cylinders with application to aneurysms. *Mechanics Research Communications*. Volume 111, 103643, 2021.

[62]. PK Asur Vijaya Kumar, A Dean, **J Reinoso**, P Lenarda, M Paggi. Phase field modeling of fracture in Functionally Graded Materials:  $\Gamma$ -convergence and mechanical insight on the effect of grading. *Thin-Walled Structures* 107234, 2020.

[63]. PK Asur Vijaya Kumar, A Dean, **J Reinoso**, M Paggi. A multi phase-field-cohesive zone model for laminated composites: Application to delamination migration. *Composite Structures* 276,114471, 2021.

[64]. J Bonari, M Paggi, **J Reinoso**. A framework for the analysis of fully coupled

normal and tangential contact problems with complex interfaces Finite Elements in Analysis and Design, 196:103605, 2021

[65]. D Desena-Galarza, H Dehghani, NK Jha, **J Reinoso**, J Merodio. Computational bifurcation analysis for hyperelastic residually stressed tubes under combined inflation and extension and aneurysms in arterial tissue, Finite Elements in Analysis and Design 197,103636, 2021.

[66]. G. Corrado, A Arteiro, AT Marques, **J Reinoso**, F Daoud, F Glock. An extended invariant approach to laminate failure of fibre-reinforced polymer structures. Aeronautical Journal. Aceptado para publicación, 2022.

[67]. MT Aranda, IG García, **J Reinoso**, V Mantic. Experimental evaluation of the similarity in the interface fracture energy between PMMA/epoxy/PMMA and PMMA/epoxy joints. Engineering Fracture Mechanics 259,108076, 2022.

[68]. Z Liu, **J Reinoso**, M Paggi. A humidity dose-CZM formulation to simulate new end-of-life recycling methods for photovoltaic laminates. Engineering Fracture Mechanics 259,108125, 2022.

[69]. T Guillén-Hernández, **J Reinoso**, M Paggi. Phase field model for fracture analysis of functionally graded power-based shell structures. Mechanics of Advanced Materials and Structures. 29(1): 78-88, 2022.

[70]. M Corrado, **J Reinoso**, M Paggi. Dynamic formulation of phase field fracture in heterogeneous media with finite thickness cohesive interfaces. Computational Materials Science 205,111226, 2022.

[71]. PK Asur Vijaya Kumar, A Dean, S Sahraee, **J Reinoso**, M Paggi. Non-linear thermoelastic analysis of thin-walled structures with cohesive-like interfaces relying on the solid shell concept. Finite Elements in Analysis and Design 202,103696, 2022.

[72]. MR Marulli, A González-Valverde, A. Quintana-Corominas, M Paggi, **J Reinoso**. A combined phase-field and cohesive zone model approach for crack propagation in layered structures made of nonlinear rubber-like materials. Computer Methods in Applied Mechanics and Engineering 395,115007, 2022.

[73]. PK Asur Vijaya Kumar, A Dean, **J Reinoso**, M Paggi. Nonlinear thermo-elastic phase-field fracture of thin-walled structures relying on solid shell concepts. Computer Methods in Applied Mechanics and Engineering 396,115096, 2022.

[74]. PK Asur Vijaya Kumar, A Dean, **J Reinoso**, M Paggi. Thermo-elastic solid shell formulation with phase field fracture for thin-walled FGMS. Thin Walled Structures.179,109535, 2022.

[75]. Z Liu, **J Reinoso**, M Paggi. Hygro-thermo-mechanical modeling of thin-walled photovoltaic laminates with polymeric interfaces. Journal of the Mechanics and Physics of Solids 169,105056, 2022.

[76]. MT Aranda, **J Reinoso**, IG García. On different 3D printing methods and fracture performance in DCB composite specimens including structured interfaces. Theoretical and Applied Fracture Mechanics 122,103552, 2022.

[77]. P Lenarda, **J Reinoso**, M Paggi. Multi-phase field approach to tensile fracture

and compressive crushing in grained heterogeneous materials. *Theoretical and Applied Fracture Mechanics* 122,103632, 2022.

[78] A Valverde-González, **J Reinoso**, B Dortdivanlioglu, M Paggi. Locking treatment of penalty-based gradient-enhanced damage formulation for failure of compressible and nearly incompressible hyperelastic materials. *Computational Mechanics*, In press, 2023.

[79] NK Jha, S Moradalizadeh, **J Reinoso**, H Topol, J Merodio. On the helical buckling of anisotropic tubes with application to arteries. *Mechanics Research Communications* 128,104067, 2023.

[80] Z Liu, M Marino, **J Reinoso**, M Paggi. A continuum large-deformation theory for the coupled modeling of polymer–solvent system with application to PV recycling, *International Journal of Engineering Science* 187,103842, 2023.

[81] A Mitrou, A Arteiro, **J Reinoso**, PP Camanho. Modeling fracture of multidirectional thin-ply laminates using an anisotropic phase field formulation at the macro-scale. *International Journal of Solids and Structures* 273,112221, 2023.

[82] Z Liu, P Lenarda, **J Reinoso**, M Paggi. *International Journal for Numerical Methods in Engineering* 124(12), 2876-2901, 2023.

[83] AC Correias, A Sapora, **J Reinoso**, M Corrado, P Cornetti. Coupled versus energetic nonlocal failure criteria: A case study on the crack onset from circular holes under biaxial loadings. *European Journal of Mechanics-A/Solids*, 105037, 2023.

[84] MT Aranda, IG García, A Quintanas-Corominas, **J Reinoso**. Crack impinging on a curved weak interface: Penetration or deflection? *Journal of the Mechanics and Physics of Solids*, 105326, 2023.

[85] MR Marulli, J Bonari, **J Reinoso**, M Paggi. A coupled approach to predict cone-cracks in spherical indentation tests with smooth or rough indenters. *Journal of the Mechanics and Physics of Solids*, 105345, 2023.

[86] J Macías, A Arteiro, F Otero, PP Camanho, **J Reinoso**. Micro-mechanical analysis of composite materials using Phase-Field models of brittle fracture. *European Journal of Mechanics-A/Solids*, 105069, 2023.

[87] PKAV Kumar, A Dean, **J Reinoso**, HE Pettermann, M Paggi. A phase-field fracture model for fatigue using locking-free solid shell finite elements: Analysis for homogeneous materials and layered composites. *Theoretical and Applied Fracture Mechanics*, 104029, 2023.

[88] P Olivares-Rodríguez, MT Aranda, M Vázquez-Boza, P Durand, **J Reinoso**. Experimental characterization of Mode I fracture toughness of the undisturbed Guadalquivir Blue Marl: Effect of suction. *Theoretical and Applied Fracture Mechanics* 128, 104113, 2023.

[89] PKAV Kumar, P Li, **J Reinoso**, QC He, J Yvonnet, M Paggi. SIMP Phase-field topology optimization framework to maximize fracture resistance in FGMs. *Composite Structures* 329, 117750, 2024.

[90] AC Correias, **J Reinoso**, P Cornetti, M Corrado On the (lack of) representativeness of quasi-static variational fracture models for unstable crack propagation. *Journal of*

the Mechanics and Physics of Solids, 105573, 2024.

[91] A Valverde-González, **J Reinoso**, NK Jha, J Merodio, M Paggi A phase field approach to fracture for hyperelastic and visco-hyperelastic materials applied to pre-stressed cylindrical structures. *Mechanics of Advanced Materials and Structures* 31 (4), 749-768, 2024.

[92] A Valverde-González, PKAV Kumar, A Quintanas-Corominas, **J Reinoso**. A finite element implementation of phase-field approach of fracture for nonlinear solid shells including inelastic material behaviour. *Engineering Fracture Mechanics*, 110123, 2024.

[93] A Valverde-González, J Reinoso, M Paggi, B Dortdivanlioglu. Coupled field modeling of thermoresponsive hydrogels with upper/lower critical solution temperature. *Extreme Mechanics Letters* 72, 102222, 2024.

[94] A Mitrou, A Arteiro, J Reinoso, PP Camanho. Effect of the level of anisotropy on the macroscopic failure of notched thin-ply laminates. *Composite Structures* 348, 118407, 2024.

[95] S Jiménez-Alfaro, D Leguillon, C Maurini, J Reinoso. A dialogue between Finite Fracture Mechanics and Phase Field approaches to fracture for predicting crack nucleation at the microscale. *International Journal of Fracture* 249 (1), 13, 2025.

[96] Z Liu, P Lenarda, J Reinoso, M Paggi. Phase field modeling of anisotropic silicon crystalline cracking in 3D thin-walled photovoltaic laminates. *International Journal of Fracture* 249 (1), 1-19, 2025.

[97] MT Aranda, L Távara, J Reinoso, PP Camanho. Single lap joint (SLJ) fracture assessment of 3D printing composite parts using structured and flat interface definitions: Experimental and numerical study. *Composite Structures* 355, 118788, 2025.

#### NO-INDEXED JOURNAL PAPERS

[1] L García-Guzmán, L Távara, J Reinoso, J Justo, F París. Analysis of 3D Printed Trapezoidal Interfaces by Means of a Novel Cohesive-Based Theoretical Approach. *Journal of Multiscale Modelling*. Accepted for publication, 2018.

[2] V Carollo, T Guillén-Hernández, J Reinoso, M Paggi. Recent advancements on the phase field approach to brittle fracture for heterogeneous materials and structures. *Advanced Modeling and Simulation in Engineering Sciences* 5 (1), 8, 2018.

[3] BA Behrens, R Rolfes, M Vucetic, J Reinoso, M Vogler, N Grbic. Material modelling of short fiber reinforced thermoplastic for the FEA of a clinching test. *Procedia CIRP* 18, 250-255, 2014.

[4] BA Behrens, R Rolfes, M Vucetic, I Peshekhodov, J Reinoso, M Vogler, N Grbic. Material characterization for FEA of the clinching process of short fiber reinforced thermoplastics with an aluminum sheet. *Advanced Materials Research* 966, 557-568, 2014.

#### BOOK CHAPTERS

[1] J Reinoso, A Blázquez, F París. Damage Simulations in Composite Structures in the Presence of Stress Gradients. in *Modeling Damage, Fatigue and Failure*, Edited by R. Talreja, Texas AM (USA), J. Varna, Lulea Univ. of Technology (Sweden) Elsevier, ISBN: 978-1-78242-286-0.

	<p>[2] A Haldar, J Reinoso, E Jansen, R Rolfes. Snap-Through of Bistable Configurations Generated from Variable Stiffness Composites. <i>Multiscale Modeling of Heterogeneous Structures</i>, 61–82, 2018.</p> <p>[3] A Dean, J Reinoso, S Sahree, B Daum, R Rolfes. Invariant-Based Finite Strain Anisotropic Material Model for Fiber-Reinforced Composites. <i>Multiscale Modeling of Heterogeneous Structures</i>, 83–110, 2018.</p> <p>[4] J Reinoso, M Paggi, A Blázquez. A modeling framework for the analysis of instabilities and delamination in composite shells. Accepted for publication in: <i>Mathematical Methods and Models in Composites</i>.</p> <p>[5] M Paggi, A Bemporad, J Reinoso. Computational Methods for Contact Problems With Roughness. Accepted for publication: <i>CISM Collection</i>.</p>
BOOKS AND MONOGRAPHS	<p>[1] Reinoso, J. Development of a continuum shell element for the structural analysis of stiffened panels in postbuckling regime. ISBN:978-84-616-7037-6, Chair of Aeronautical Studies, University of Seville, Spain, 2013.</p> <p>[2] Reinoso, J. Postpandeo de paneles rigidizados de composites. ISBN:978-3-8443-3584-2. Editorial Académica Española, Germany, 2011.</p> <p>[3] Reinoso, J. Nonlinear dynamic behaviour of cables. ISBN:978-3-8443-3612-2. Editorial Académica Española, Germany, 2011.</p>
RESEARCH INTERESTS	<p>Composite materials, Structural Mechanics, Numerical Methods in Mechanical Engineering, Shell models, Experimental Mechanics, Postbuckling behavior of structures, Damage characterization in computational materials: Cohesive Zone Models, Continuum Damage models, Strong Discontinuity Approach, Phase Field approach of fracture.</p>
SCIENTIFIC VISITS	<p>Visiting Professor IMT Lucca, 2023, 2024. Prof. Marco Paggi.</p> <p>Visiting Professor Politecnico Milano, May 2024. Prof Stefano Mariani.</p> <p>Visiting Professor TU Wien, April 2023. Dr. Heinz Petterman.</p> <p>Visiting Scholar at Computational Micromechanics and Materials Lab, Stanford University, USA, Prof. Christian Linder, Aug.–Sept. 2014.</p> <p>Visiting Professor Research Unit on Multi-scale Analysis of Materials (MUSAM), IMT Lucca, Italy, Prof. Marco Paggi, March–Apr. 2014, June 2015, July 2016, July 2017, July–Sept 2018, July–Aug. 2019.</p> <p>Institute of Structural Analysis, Leibniz Universität Hannover (Germany). Prof. Raimund Rolfes. Aug. 2012–Dec. 2014.</p> <p>Institute of Structural Mechanics, Universität Stuttgart (Germany). Prof. Manfred Bischoff, Prof. Ekkerhard Ramm. Sept.–Dec. 2009, Apr.–July 2010, July–Oct. 2011.</p> <p>Department of Engineering Mathematics, University of Bristol (U.K.). Prof. Alan Champneys. Sept. 2006–July 2007.</p>

SUPERVISED PHD  
THESIS

- [1] V Carollo. A Variational approach to brittle fracture and cohesive delamination: modeling and technological applications. Dirs. Dr. M Paggi, Dr. **J. Reinoso**. Feb 2018. IMT Lucca–Universidad de Sevilla.
- [2] A Quintanas-Corominas. Damage events in fibre reinforced composites: Supercomputation and novel numerical techniques. Dirs. Dr. A Turón, Dr. E Casoni, Dr. **J. Reinoso**. Oct. 2019. Universidad de Girona.
- [3] L García-Guzmán. 3D Printing techniques in fibre reinforces composite materials: application to structured interfaces for fracture applications. Dirs. Dr. L Távara, Dr. **J. Reinoso**. Jume 2020. Universidad de Sevilla.
- [4] T Guillén-Hernández. Computational Fracture Mechanics for Reliability of Composites at the Micro and Macro Scales. Dirs. Dr. M Paggi, Dr. **J. Reinoso**. July 2020. IMT Lucca–Universidad de Sevilla.
- [5] A Dean. Phase-Field Modeling of Damage and Fracture in Fiber Reinforced Composites. Dirs. Dr. **J. Reinoso**. Sept. 2020. Universidad de Sevilla.
- [6] M.R. Marulli. New methods to assess the performance of structural joints with microstructures. Dirs. Dr. M Paggi, Dr. **J. Reinoso**. May 2021. IMT Lucca.
- [7] T. Aranda Romero. Crack arresters through curved interface concepts. Dirs. Dr. **J. Reinoso**, Dr. I García. July 2022. Universidad de Sevilla.
- [8] P. Kumar. Variational method for fracture mechanics: nucleation and fracture propagation. Dirs. Dr. M Paggi, Dr. **J. Reinoso**. IMT Lucca- . June 2022.
- [9] A. Valverde González. Phase field method for fracture and contact mechanics in hydrogels for stretchable electronic systems. Dirs. Dr. M Paggi, Dr. **J. Reinoso**. IMT Lucca–Universidad de Sevilla.
- [10] Z. Liu. Multi-field and multi-scale modeling of fracture for renewable energy applications. Dirs. Dr. M Paggi, Dr. **J. Reinoso**. IMT Lucca–Universidad de Sevilla.
- [11] A. Mitrou. Fracture of LFRP ultra-thin ply laminates in aeronautical applications. Dirs. Dr. P.P Camanho, Dr. **J. Reinoso**. FEU Porto- Universidad de Sevilla.
- [12] A. Chao-Correas. Dymanic Fracture and fragmentation in solids and structures. Dirs. Dr. Mauro Corrado, Dr. **J. Reinoso**. Politecnico di Torino-Universidad de Sevilla.
- [13] A. Mitrou. Simulation of fracture of ultra-thin ply polymer composite structures. Dirs: Prof. Pedro o Camanho, Prof. Albertino Arteiro (FEUP), Prof. José Cuevas. FEU Porto
- [14] . M. Macías. Fracture in fibre-reinforced thermoplastics (FRTPs) across the scales. Dirs. Prof. P.P Camanho, Prof. Albertino Arteiro, Prof Fermín Otero, Prof. **J. Reinoso**. FEU Porto.

ONGOING  
SUPERVISION OF  
PHD THESIS

- [1] Pablo Olivares Rodríguez. Computational modelling of fracture processes in Guadalquivir blue marls via a hydro-mechanical variational modelling framework for partially saturated soils. Dirs. Dr. Percy Durand, Dr. **J. Reinoso**. Universidad de Sevilla.

[1] J.Damixi López-Campos .Diseño de un recubrimiento anticorrosivo epóxico con nanopartículas de conversión ascendente  $\text{ZrO}_2$  :Yb,Er y grafeno para el estudio del efecto luminiscente en la detección de microfracturas en materiales de uso aeronáutico. Dirs. Prof. G Hernández-Padrón, Prof. **J. Reinoso**. UNAM-Universidad de Sevilla.

INVITED TALKS      Phase Field Modelling to assess damage in brittle materials. 24–27 Sept 2018. 2nd Workshop on Finite Fracture Mechanics, Leoben, Austria.

"Failure analysis in thin walled structures: smeared-based crack and delamination models", March, 2017, Politecnico Milano, Italy.

"An overview to FE models for composite structures: theoretical and numerical aspects", Sept. 2014, Stanford University, USA.

"Advanced nonlinear three-dimensional finite shell formulations for composite structures", April 2014, Politecnico Milano, Italy.

"Advanced nonlinear three-dimensional finite shell formulations for composite structures", March 2014, IMT Lucca, Italy.

RESEARCH PROJECTS      [1] Ductility and Fracture Toughness analysis of functionally graded materials - DIAGONAL. Marie Skłodowska-Curie Actions (MSCA) Staff Exchanges (SE), GA 101086342 European Comission. Duration: 2023-2027. Status: Ongoing. Principal researchers: José Reinoso (US).

[2] Multi-scale and multi-physics computational methodology for reliable fracture prediction and simulation of solar photovoltaic systems (MMF2PV). Ministerio de Ciencia, Innovación y Universidades TED2021-131649B-I00. Duration: 2021-2024. Status: Ongoing. Principal researchers: José Reinoso Cuevas.

[3] Caracterización de Procesos de Fractura en Margas: Experimentación y Modelización Mediante Modelos Variacionales Hidro-Mecánicos en Materiales Porosos Parcialmente Saturados. Ministerio de Ciencia, Innovación y Universidades PID2019-109723GB-I00. Duration: 2020-2023. Status: Ongoing. Principal researchers: Percy Durand Neyra/José Reinoso Cuevas.

[4] COMPBIOS-e. An innovative paradigm for highly stretchable electronic systems with enhanced damage tolerance and contact-adhesion: multi-scale and multi-physics modelling framework and exploitation of bioinspired designs via 3D printing techniques. Junta de Andalucía, P20-00595. Duration: 2021-2022. Status: Concluded. Principal researchers: José Reinoso Cuevas.

[5] IntEstComp. Structured interfaces in fibre reinforced composites for fracture applications. Regional research plan, Spain, 2018, Andalusian Government. Duration: 2019-2021. Status: Concluded. Principal researchers: Dr. J. Reinoso. Grant: 90.000 Euro.

[6] New approaches for Computational Fracture Mechanics for the characterization of initiation and growth of cracks in composite materials across the scales. National research plan, Spain, 2015, Ministry of Economy and Competitiveness. Duration: 2016-2018. Status: Concluded. Principal researchers: Dr. Vladislav Mantič and Dr. Antonio

Blázquez. Grant: Non specified.

[7] Development of a dimensioning procedure for Unfolding failure in composite materials. National research plan, Spain, 2015, Ministry of Economy and Competitiveness. Duration: 2016-2018. Status: Concluded. Principal Researchers: Dr. Enrique Graciani Díaz y Dr. José Cañas Delgado.

[8] Structural Analysis of Composite Thick Laminates subjected to Compressive Loadings. (P12-TEP-1050). Excellence Project, Andalusian Government. Duration: 2013-2015. Status: Concluded. Principal researcher: Dr. Luis Távara. Grant: 116.744 Euro.

[9] Analysis of composite stiffened panels in postbuckling regime (P11-TEP-7093). Excellence Project, Andalusian Government. 2011. Duration: 2013-2017. Status: Concluded. Principal researchers: Dr. Antonio Blázquez. Grant: Non specified.

[10] Advanced shell elements for the nonlinear analysis of Composite Panels (DPI2012-37187). National research plan, Spain, 2012, Ministry of Economy and Competitiveness. Duration: 2013-2016. Status: Concluded. Principal researchers: Dr. Antonio Blázquez. Grant: Non specified.

[11] Micro-cracks - causes and consequences for the long-term stability of PV modules, BMBF. Duration: 2012-2014. Status: Concluded. Principal researcher: Prof. Dr. Ing Raimund Rolfes. Grant: Non specified.

[12] Development of cohesive models and fracture mechanics in the analysis of co-cured and co-bonded structural joints of composite materials (P06-TEP-02045). Excellence Project, Andalusian Government. Duration: 2007-2010. Status: Concluded. Principal researcher: Dr. Federico París Carballo. Grant: 188.000 Euro.

#### TRANSFER OF KNOWLEDGE PROJECTS

[1] Structural Analysis of a Rack Installation. AYESA AIR CONTROL, Ref 3434-0955. Grant: 1.300,00 Euro.

[2] Advanced and Low Cost Aircraft Structures (ALCAS). European Community, AIP-4-CT-2005-516092. Sixth Framework Program. Duration: 2005-2009. Status: Concluded. Principal researchers: M. Boyce, D. Jones. Grant: 101.277.380,00 Euro.

[3] Technological development of structural optimization of aeronautical components based on composite stiffened panels. Grupo TAM. Duration: 2007-2008. Status: Concluded. Principal researchers: Dr. Antonio Blázquez, Dr. José Cañas. Grant: Non specified.

[4] Stringer run-out before testing. AIRBUS. Duration: 2009. Status: Concluded. Principal researchers: Dr. Antonio Blázquez, Dr. Federico París Carballo. Grant: Non specified.

#### OTHER MERITS

Co-organizer 1st International Workshop *"Impact of mechanical and thermal loads on the long term stability of PV modules"*, 5 Nov., 2013, Hameln, Germany.

Co-organizer Minisimposium *"Numerical and experimental research on the durability of photovoltaic modules"*. 1st International Symposium on Energy Challenges and Mechanics, 8-10 July 2014, Aberdeen, Scotland.



Co-organizer Minisimposium "*Advanced Computational Failure Analysis of Fiber Reinforced Composite Structures*". 5th European Congress on Computational Mechanics, 20-25 July 2014, Barcelona, Spain.

Co-organizer Minisimposium "*Phase field and enhanced finite element formulations for fracture mechanics*". X-DMS Extended Discretization Methods, 9-11 September 2015, Ferrara, Italy.

Co-Organizer Special Session "*Advanced multi-physics and multi-scale techniques for modeling inelastic processes in solids: damage, fracture and contact mechanics*", in the European Congress on Computational Methods in Applied Sciences and Engineering, Crete, Greece, June 5-10, 2016, together with M. Paggi (IMT Lucca) and M. Corrado (Politecnico di Torino).

Scientific committee member 17th European Conference on Composite Materials, 26-30 June 2016, Munich, Germany.

PROGRAMMING	C, Matlab, Maple, Mathematica	
ENGINEERING SOFTWARE	ABAQUS, FEAP, ANSYS, Nastran/Patran	
LANGUAGE SKILLS	Spanish: mother tongue English: fluent knowledge German: basic knowledge (currently taking courses at level B2)	
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