Curriculum Vitæ - Josef Kiendl

(July 2019)

Personal data and contact information

Born:	December 16, 1980 in Deggendorf, Germany
Address:	Norwegian University of Science and Technology, Department of Marine Technology Otto Nielvens veg 10, 7052 Trondheim, Norway
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Education and Academic Positions

since Sept. 2016	Associate Professor (Onsager fellowship) at the Department of Marine Technology, NTNU Trondheim
2015-2016	Assistant Professor (Juniorprofessor) at the Institute for Applied Mechanics, Department of Civil Engineering, TU Braunschweig
2012-2015	Postdoctoral Researcher at the Department of Civil Engineering and Architecture, Computational Mechanics and Advanced Materials Group, University of Pavia, Italy
2011	PhD with highest distinction (summa cum laude). Thesis: *Isogeometric Analysis and Shape Optimization of Shell Structures*, TU Munich, Germany
2007-2011	PhD student of the *International Graduate School of Science and Engineering* (IGSSE), at the Chair of Structural Analysis, TU Munich, Germany
2005	Master's Degree
2000-2005	Student of civil engineering at TU Munich, Germany

Non-academic professional experience

2011	Project manager at DrillTec GmbH for the Poland Shale Gas drilling project, Malbork, Poland
2005-2007	Project engineer at Max Streicher GmbH for the Adriatic LNG pipeline project in Porto Viro, Italy

Research stays abroad

2014	Visiting scholar (2 weeks) at Prof. Hughes, ICES, University of Texas at Austin
2013	Visiting scholar (1 month) at Prof. Hughes, ICES, University of Texas at Austin
2010	Visiting scholar (1 month) at Prof. Bazilevs, Department of Structural Engineering, University of California, San Diego (UCSD)
2009	Visiting scholar (2 months) at Prof. Bazilevs, Department of Structural Engineering, University of California, San Diego (UCSD)

Awards

2017	*Highly Cited Researcher* according to Web of Science
since 2016	*Onsager Fellowship* of NTNU, awarded to young, internationally recognized researchers to strengthen the university's academic community.
2016	*Richard-von-Mises Prize*, awarded by the International Association of Applied Mathematics and Mechanics (GAMM) in acknowledgment of scientific achievement in the area of applied mathematics and mechanics.
2013	*GAMM Award* 2013 for organizing a Young Researcher Minisymposium at the 84th Annual Meeting of the International Association of Applied Mathematics and Mechanics (GAMM)
2011	*PhD Dissertation Award* of the Association of Friends of the Technical University of Munich to the six best PhD dissertations at TU Munich in 2011
2007-2011	*PhD stipend* of the International Graduate School of Science and Engineering (IGSSE) at TU Munich

Publications and citations

35 papers in peer-reviewed international journals, a detailed list is found attached

2848 / 2012 / 1739 citations (*Google Scholar / Scopus / ISI Web of Science*)

20 / 18 / 17 h-index (*Google Scholar / Scopus / ISI Web of Science*)

6 ISI highly cited papers

Highly Cited Researcher 2017 by Clarivate Analytics (former Thomson Rheuters)

Research projects and third-party funding

2018-2020	NTNU-internal call for funding research projects: *3D printing of bio-inspired architectured materials.* Funding: NOK 2,330,000 (€240,000) Role: Project manager
2017-2020	Knowledge-Building Project for Industry of the Norwegian Research Council (NRC): *Flexible propulsors for marine applications.* Partners: Sintef Ocean, Rolls Royce Marine. Funding: NOK 16,550,000 (€1,700,000) Role: Leader of one work package, supervisor for one PhD student
2019-2020	Mobility grant of the German Academic Exchange Service (DAAD) and Norwegian Reseach Council (NRC): *Spline-based Methods for Fluid-Structure Interaction in liquid storage tanks under seismic loading.* Sum: €20.700 Euro. Role: Project manager Norwegian side
2018-2019	Mobility grant of the German Academic Exchange Service (DAAD) and Norwegian Reseach Council (NRC): *Isogeometric phase-field modeling of fatigue in slender structures.* Sum: €18.500 Euro. Role: Project manager Norwegian side

2018	Funding by the Norwegian Shipowners Association for financing a FDM 3D-printer. Sum: NOK 30,000 (€3,100). Role: Project manager
2012-2015	ERC Starting Grant research project: *Isogeometric Methods for Biomechanics*. Role: Postdoctoral researcher
2007-2011	Joint PhD project of the International School of Science and Engineering (IGSSE) of TU Munich: *Iso-geometric Shape Optimal Design*. Role: PhD student

Conference contributions

  1 Plenary lecture

  4 Keynote lectures

32 Contributions as first author, of which 24 invited

43 Contributions as coauthor

A detailed list is found in the attached list of conferences

Invited talks at seminars and workshops

2019	Lecture for the "EU regional school" at Aachen Institute for Advanced Study in Computational Engineering Science (AICES), RWTH Aachen University, Aachen, Germany
2018	Presentation at the first KSCM-GACM Joint Workshop, Seoul, South Korea
2018	Seminar at the Chair of Numerical Modelling and Simulation of EPFL Lausanne, Switzerland
2018	Seminar at the Aachen Institute for Advanced Study in Computational Engineering Science (AICES), RWTH Aachen University, Aachen, Germany
2017	Seminar at the Digital Manufacturing and Design (DManD) Centre, Singapore University of Technology and Design (SUTD), Singapore
2017	Seminar at the Centre for Advanced Structural Analysis (CASA), NTNU Trondheim, Norway
2017	Seminar at the Department of Civil Engineering and Architecture, University of Pavia, Italy
2017	Seminar at the Aachen Institute for Advanced Study in Computational Engineering Science (AICES), RWTH Aachen University, Aachen, Germany *(declined due to illness)*
2014	Seminar at the Department of Civil Engineering and Architecture of Aalto University, Espoo, Finland

2014	Seminar at the Aerospace Engineering Department of Iowa State University, Ames, USA
2013	Seminar at the International School of Advanced Studies (SISSA), Trieste, Italy
2012	Lecture at the Summer School "IsoGeometric Analysis: a New Paradigm in the Numerical Approximation of PDEs" of the International Mathematical Summer Center (CIME), Cetraro, Italy
2011	Lecture for the "Seminar of the Department of Structural Mechanics", TU Kaiserslautern, Germany
2010	Presentation at "FE im Schnee", Hirschegg, Austria:
2009	Presentation at the "International Workshop on Environment and Alternative Energy (organized by NASA, G3P, and GE)", Munich, Germany
2009	Presentation at the "First International Workshop on Computational Engineering - Special Topic Fluid-Structure-Interaction", Herrsching, Germany
2009	Presentation at the "International Workshop, Technology and Society", Weimar, Germany

Organization of congresses and symposia

2019	Minisymposium *Collocation*, within the 7th International Conference on Isogeometric Analysis, Munich, Germany
2019	Minisymposium *Novel Formulations and Discretization Methods for Thin-walled Structures*, within the 8th GACM Colloquium on Computational Mechanics, Kassel, Germany
2019	Minisymposium *Complex Structures and Microarchitectures of Metamaterials*, within the International Conference on Nonlinear Solid Mechanics, Rome, Italy
2018	Minisymposium *Solids and Structures* within the USACM thematic conference IGA 2018: Integrating Design and Analysis, Austin TX, USA
2018	Minisymposium *Computational analysis and methods for solids and structures within generalized continua*, within the 6th European Conference on Computational Mechanics, Glasgow, United Kingdom
2017	Minisymposium *Non-standard Formulations and Discretization Methods for Thin-walled Structures*, within the 7th GACM Colloquium on Computational Mechanics, Stuttgart, Germany
2017	Thematic Session *IGA of solids and structures*, within the ECCOMAS Thematic Conference on Isogeometric Analysis, Pavia, Italy
2016	Thematic Session *IGA and Meshfree methods for thin structures*, within the USACM Thematic Conference on Isogeometric Analysis and Meshfree Methods, La Jolla, USA

2015	Minisymposium *Isogeometric Methods for Structural Mechanics*, within the joint conference 3rd ECCOMAS Young Investigators Conference (YIC) and 6th GACM Colloquium on Computational Mechanics, Aachen, Germany
2014	Minisymposium *Isogeometric Methods*, within the conference WCCM 2014 - World Congress on Computational Mechanics, Barcelona, Spain
2013	Minisymposium *Advanced Methods for Computational Mechanics: Beyond Classical Finite Elements*, within the 21st Congress of the Italian Association of Theoretical and Applied Mechanics (AIMETA), Turin, Italy
2013	Young Researcher Minisymposium *Isogeometric Methods*, within the 84th Annual Meeting of the International Association of Applied Mathematics and Mechanics (GAMM), Novi Sad, Serbia

Participation in congress scientific boards

2019	International Conference on Isogeometric Analysis, Munich, Germany
2018	USACM Thematic Conference on Isogeometric Analysis, Austin (TX), USA
2017	ECCOMAS Thematic Conference on Isogeometric Analysis, Pavia, Italy
2016	USACM Thematic Conference on Isogeometric Analysis and Meshfree Methods, San Diego, USA

Member of Journal Editorial Boards

since 2018   Material Design & Processing Communications

Reviewer for international journals

- Computer Methods in Applied Mechanics and Engineering

- Proceedings of the Royal Society B

- Computational Mechanics

- International Journal for Numerical Methods in Engineering

- Computer-Aided Design

- Computers and Mathematics with Applications

- Biomechanics and Modeling in Mechanobiology

- Computers and Structures

- Marine Structures

- Fatigue & Fracture of Engineering Materials & Structures

- Engineering Structures

- Applied Mathematical Modelling

- European Journal of Mechanics - A/Solids

- Finite Elements in Analysis and Design

- Computer Aided Geometric Design

- Mechanics Research Communications

- Journal of Mechanics of Materials and Structures

- International Journal of Architectural Heritage
- Part C: Journal of Mechanical Engineering Science
- Engineering Computations
- Journal of Manufacturing Science and Engineering
- Journal of Theoretical and Applied Mechanics
- Mechanics Based Design of Structures and Machines

Reviewer for international research funding agencies

- German Science Foundation (DFG)
- Austrian Science Fund (FWF)
- European Energy Research Alliance (EERA)
- Netherlands Organisation for Scientific Research (NWO)
- Italian Ministry of Public Education (MIUR)
- Research Grant Council (RGC) of Hongkong

Member of PhD committees

2017	PhD thesis on *"Phase-field modeling and computations of brittle and ductile fracture for solids and shells"*, TU Braunschweig, Germany
2017	PhD thesis on *"Isogeometric mortar methods with applications in contact mechanics"*, University of Pavia, Italy
2016	PhD thesis on *"CAD-Integrated Design and Analysis of Shell Structures"*, TU Munich, Germany

Teaching experience

since 2017	Lecturer for *Finite Element Methods for Structural Analysis*, NTNU Trondheim (in English)
since 2017	Lecturer for *Marine Structures, Specialization Project*, NTNU Trondheim (in English)
2016	Lecturer for *Isogeometric Methods*, TU Braunschweig (in English)
2016	Lecturer for *Isogeometric Methods*, TU Braunschweig (in English)
2015-2016	Lecturer for *Numerical Methods in Engineering*, TU Braunschweig (in German)
2012-2015	Teaching assistant for *Mechanics of Solids and Structures*, University of Pavia (in Italian)
2009-2010	Teaching assistant for *Modeling and Simulation*, TU Munich (in English)
2008-2010	Teaching assistant for *Advanced Finite Element Methods*, TU Munich (in English)
2008-2009	Teaching assistant for *Finite Element Methods*, TU Munich (in English)
2002-2004	Tutor for *Mechanics of Solids and Structures*, TU Munich (in German)

Teaching training courses

2018	PEDUP: NTNU's Educational Program for New Academic Staff (seminar spanning two semesters, in total 100 hours)
2016	CDIO Workshop *The Teaching Trick* held at NTNU Trondheim

Supervision of PhD theses

since 2017	PhD thesis on *"4D printing of intelligent marine structures"*
since 2017	PhD thesis on *"Isogeometric analysis of fluid-structure interaction of flexible propellers"*
since 2016	PhD thesis on *"Isogeometric methods for modeling fracture and fatigue in plates and shells"*
since 2016	PhD thesis on *"Nonlinear spatial rod models for marine applications"*
since 2016	Co-supervision of PhD thesis on *"Multiscale methods in isogeometric collocation"*
2015-2017	Co-supervision of PhD thesis on *"Phase-field models for brittle and ductile fracture in solids and structures"*
2013-2016	Co-supervision of PhD thesis on *"Isogeometric methods for structural applications"*

Supervision of Master's and Bachelor's theses

2019	Master's thesis *"An isogeometric digital twin for the research vessel Gunnerus"*
2019	Master's thesis *"Isogeometric contact analysis"*
2018	Master's thesis *"Isogeometric structural analysis of wind turbine blades"*
2018	Master's thesis *"Isogeometric analysis of thin structures with trimmed geometries"*
2016	Co-supervision of Master's thesis on *"Numerical stability analysis of thin-walled cylindrical shells"*
2016	Co-supervision of Bachelor's thesis on *"Engineering mechanics - Experiment and simulation"*
2010	Master's thesis *"Isogeometric Analysis with CARAT++"*, awarded with the "Johannes B. Ortner Award"
2010	Bachelor's thesis *"Analysis of ceiling panels with isogeometric finite elements"*
2009	Master's thesis *"Development and Implementation of a Rhino Preprocessor for the Integration of CAD and isogeometric analysis"*
2009	Bachelor's thesis *"Geometric description of free-form surfaces"*
2008-2010	Various student (group) projects with topics from *Computational Mechanics*, *Isogeometric Analysis* and *Geometric Modeling*

Affiliations

- USACM Technical Thrust Area on Isogeometric Analysis of the United States Association for Computational Mechanics (USACM)

- International Association for Applied Mathematics and Mechanics (GAMM)

- German Association for Computational Mechanics (GACM)

- Italian Association of Theoretical and Applied Mechanics (AIMETA)

Language skills

- German (native)

- English (excellent)

- Italian (excellent)

- Norwegian (intermediate)

- French (basic)

Reference persons

- **Professor Alessandro Reali**, Università degli Studi di Pavia
  e-mail: alessandro.reali@unipv.it, web-page: http://www.unipv.it/alereali

- **Professor Thomas J.R. Hughes**, University of Texas at Austin
  e-mail: hughes@ices.utexas.edu, web-page: http://users.ices.utexas.edu/∼hughes

- **Professor Kai-Uwe Bletzinger**, Technische Universität München
  e-mail: kub@tum.de, web-page: http://www.st.bgu.tum.de/en/∼kai-uwe-bletzinger

List of Publications - Josef Kiendl

Papers in peer-reviewed international journals

35. E. Marino, **J. Kiendl**, L. De Lorenzis; *Isogeometric collocation for implicit dynamics of three-dimensional beams undergoing finite motions*; Computer Methods in Applied Mechanics and Engineering, accepted for publication (2019)

34. L. Leonetti, D. Magisano, A. Madeo, G. Garcea, **J. Kiendl**, A. Reali; *A simplified KirchhoffLove large deformation model for elastic shells and its effective isogeometric formulation*; Computer Methods in Applied Mechanics and Engineering, 354:369-396 (2019)

33. V. Balobanov, **J. Kiendl**, S. Khakalo, J. Niiranen; *Kirchhoff-Love shells within strain gradient elasticity: weak and strong formulations and an H^3-conforming isogeometric implementation*; Computer Methods in Applied Mechanics and Engineering, 344:837-857 (2019)

32. E. Marino, **J. Kiendl**, L. De Lorenzis; *Explicit isogeometric collocation for the dynamics of three-dimensional beams undergoing finite motions*; Computer Methods in Applied Mechanics and Engineering, 343:530-549 (2019)

31. C. Gao, **J. Kiendl**; *Short review on architectured materials with topological interlocking mechanisms*; Material Design & Processing Communications, DOI:10.1002/mdp2.31 (2019)

30. A. Herrema, **J. Kiendl**, M.-C. Hsu; *A framework for isogeometric-analysis-based optimization of wind turbine blade structures*; Wind Energy, 22:153-170 (2019)

29. A. Herrema, E. Johnson, D. Proserpio, M.C.H. Wu, **J. Kiendl**, M.-C. Hsu; *Penalty coupling of non-matching isogeometric Kirchhoff-Love shell patches with application to composite wind turbine blades*; Computer Methods in Applied Mechanics and Engineering, 346:810-840 (2019)

28. J. Niiranen, V. Balobanov, **J. Kiendl**, S. B. Hosseini; *Variational formulations, model comparisons and numerical methods for Euler-Bernoulli micro- and nano-beam models*; Mathematics and Mechanics of Solids, 24:312-335 (2019)

27. M. Ambati, **J. Kiendl**, L. De Lorenzis; *Isogeometric Kirchhoff-Love shell formulation for elasto-plasticity*; Computer Methods in Applied Mechanics and Engineering, 340:320-339 (2018)

26. N.A. Nodargi, **J. Kiendl**, P. Bisegna, F. Caselli, L. De Lorenzis; *An isogeometric analysis formulation for red blood cell electro-deformation modeling*; Computer Methods in Applied Mechanics and Engineering, 338:392-411 (2018)

25. M.C.H. Wu, R. Zakerzadeh, D. Kamensky, **J. Kiendl**, M. Sacks, M.-C. Hsu; *An anisotropic constitutive model for immersogeometric fluid-structure interaction analysis of bioprosthetic heart valves*; Journal of Biomechanics, 74:23-31 (2018)

24. **J. Kiendl**, F. Auricchio, A. Reali; *A displacement-free formulation for the Timoshenko beam problem and a corresponding isogeometric collocation approach*; Meccanica, 53(6):1403-1413 (2018)

23. **J. Kiendl**, E. Marino, L. De Lorenzis; *Isogeometric collocation for the Reissner-Mindlin shell problem*; Computer Methods in Applied Mechanics and Engineering, 325:645-665 (2017)

22. O. Weeger, B. Narayanan, L. De Lorenzis, **J. Kiendl**, M.L. Dunn; *An isogeometric collocation method for frictionless contact of Cosserat rods*; Computer Methods in Applied Mechanics and Engineering, 321:361-382 (2017)

21. L. Heltai, **J. Kiendl**, A. DeSimone, A. Reali; *A natural framework for isogeometric fluid-structure interaction based on BEM-shell coupling*; Computer Methods in Applied Mechanics and Engineering, 316:522-546 (2017)

20. J. Niiranen, **J. Kiendl**, A. Niemi, A. Reali; *Isogeometric analysis for sixth-order boundary value problems of gradient-elastic Kirchhoff plates*; Computer Methods in Applied Mechanics and Engineering, 316:328-348 (2017)

19. H. Casquero, L. Liu, Y. Zhang, A. Reali, **J. Kiendl**, H. Gomez; *Arbitrary-Degree T-splines for Isogeometric Analysis of Fully Nonlinear Kirchhoff-Love Shells*; Computer-Aided Design, 82:140-153 (2017)

18. **J. Kiendl**, M. Ambati, L. De Lorenzis, H. Gomez, A. Reali; *Phase-field description of brittle fracture in plates and shells*; Computer Methods in Applied Mechanics and Engineering, 312:374-394 (2016)

17. F. Auricchio, L. Beirão da Veiga, **J. Kiendl**, C. Lovadina, A. Reali; *Isogeometric collocation mixed methods for rods*; Discrete and Continuous Dynamical Systems - Series S, 9:33-42 (2016)

16. M.-C. Hsu, D. Kamensky, F. Xu, **J. Kiendl**, C. Wang, M.C.H. Wu, J. Mineroff, A. Reali, Y. Bazilevs, M. Sacks; *Dynamic and fluid-structure interaction simulations of bioprosthetic heart valves using parametric design with T-splines and Fung-type material models*; Computational Mechanics, 55:1211-1225 (2015)

15. **J. Kiendl**, M.-C. Hsu, M.C.H. Wu, A. Reali; *Isogeometric Kirchhoff-Love shell formulations for general hyperelastic materials*; Computer Methods in Applied Mechanics and Engineering, 291:280-303 (2015)

14. L. Beirão da Veiga, T.J.R. Hughes, **J. Kiendl**, C. Lovadina, J. Niiranen, A. Reali, H. Speleers; *A locking-free model for Reissner-Mindlin plates: Analysis and isogeometric implementation via NURBS and triangular NURPS*; Mathematical Models and Methods in Applied Sciences, 25:1519-1551 (2015)

13. **J. Kiendl**, F. Auricchio, T.J.R. Hughes, A. Reali; *Single-variable formulations and isogeometric discretizations for shear deformable beams*; Computer Methods in Applied Mechanics and Engineering, 284:988-1004 (2015)

12. J.F. Caseiro, R.A.F. Valente, A. Reali, **J. Kiendl**, F. Auricchio, R.J. Alves de Sousa; *Assumed Natural Strain NURBS-based solid-shell element for the analysis of large deformation elasto-plastic thin-shell structures*; Computer Methods in Applied Mechanics and Engineering, 284:861-880 (2015)

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11. **J. Kiendl**, F. Auricchio, L. Beirão da Veiga, C. Lovadina, A. Reali; *Isogeometric collocation methods for the Reissner-Mindlin plate problem*; Computer Methods in Applied Mechanics and Engineering, 284:489-507 (2015)

10. J.F. Caseiro, R.A.F. Valente, A. Reali, **J. Kiendl**, F. Auricchio, R.J. Alves de Sousa; *On the Assumed Natural Strain method to alleviate locking in solid-shell NURBS-based finite elements*; Computational Mechanics, 53:1341-1353 (2014)

9. **J. Kiendl**, R. Schmidt, R. Wüchner, K.-U. Bletzinger; *Isogeometric shape optimization of shells using semi-analytical sensitivity analysis and sensitivity weighting*; Computer Methods in Applied Mechanics and Engineering, 274:148-167 (2014)

8. F. Auricchio, L. Beirão da Veiga, **J. Kiendl**, C. Lovadina, A. Reali; *Locking-free isogeometric collocation methods for spatial Timoshenko rods*; Computer Methods in Applied Mechanics and Engineering, 263:113-126 (2013)

7. S. Shojaee, E. Izadpanah, N. Valizadeh, **J. Kiendl** *Free vibration analysis of thin plates by using a NURBS-based isogeometric approach*; Finite Elements in Analysis and Design; 61:23-34 (2012)

6. Y. Bazilevs, M.-C. Hsu, **J. Kiendl**, D.J. Benson; *A Computational Procedure for Pre-Bending of Wind Turbine Blades*; International Journal for Numerical Methods in Engineering, 89:323-336 (2012)

5. N. Nguyen-Thanh, **J. Kiendl**, H. Nguyen-Xuan, R. Wüchner, K.-U. Bletzinger, Y. Bazilevs, T. Rabczuk, *Rotation free isogeometric thin shell analysis using PHT- splines*; Computer Methods in Applied Mechanics and Engineering, 200(47- 48):3410-3424 (2011)

4. Y. Bazilevs, M.-C. Hsu, **J. Kiendl**, R. Wüchner, K.-U. Bletzinger; *3D simulation of wind turbine rotors at full scale. Part II: Fluid-structure interaction modeling with composite blades*; International Journal for Numerical Methods in Fluids; 65:236-253 (2011)

3. R. Schmidt, **J. Kiendl**, K.-U. Bletzinger, R. Wüchner; *Realization of an integrated structural design process: analysis-suitable geometric modelling and isogeometric analysis*; Computing and Visualization in Science, 13:315-330 (2010)

2. **J. Kiendl**, Y. Bazilevs, M.-C. Hsu, R. Wüchner, K.-U. Bletzinger; *The bending strip method for isogeometric analysis of Kirchhoff-Love shell structures comprised of multiple patches*; Computer Methods in Applied Mechanics and Engineering, 199:2403-2416 (2010)

1. **J. Kiendl**, K.-U. Bletzinger, J. Linhard, R. Wüchner; *Isogeometric shell analysis with Kirchhoff-Love Elements*; Computer Methods in Applied Mechanics and Engineering, 198:3902-3914 (2009)

List of conferences - Josef Kiendl

As presenting author (‡ plenary lecture, † keynote lecture, * invited)

32. **J. Kiendl**‡; *Isogeometric Methods in Structural Analysis*; IGA 2019: International Conference on Isogeometric Analysis, Munich, Germany, September 2019

31. **J. Kiendl***, C. Gao; *Impact of the mesostructural layout on strength and toughness of FDM-printed materials*; ESIAM19: First European Conference on Structural Integrity of Additively Manufactured Materials, Trondheim, Norway, September 2019

30. **J. Kiendl***, C. Gao; *Impact of the mesostructural layout on strength and toughness of FDM-printed materials*; ICoNSoM 2019: International Conference on Nonlinear Solid Mechanics, Rome, Italy, June 2019

29. **J. Kiendl***, A. Herrema, E. Johnson, D. Proserpio, M. Wu, M.-C. Hsu; *A new penalty formulation for patch coupling in Kirchhoff-Love shell analysis*; HOFEIM2019: High-Order Finite Element and Isogeometric Methods Workshop, Pavia, Italy, May 2019

28. **J. Kiendl***, D. Proserpio, M. Ambati, L. De Lorenzi; *Isogeometric Phase-Field Description of Brittle Fracture in Plates and Shells*; WCCMXIII: 13th World Congress in Computational Mechanics, New York, USA, July 2018

27. **J. Kiendl***, E. Marino, L. de Lorenzis; *Isogeometric collocation for the Reissner-Mindlin shell problem*; ECCM 6: 6th European Conference on Computational Mechanics, Glasgow, Scotland, June 2018

26. **J. Kiendl**†; *Isogeometric Methods in Structural Mechanics*; IGAA2018: 3rd Conference on Isogeometric Analysis and Applications, Delft, Netherlands, April 2018

25. **J. Kiendl**, D. Proserpio, M. Ambati, L. de Lorenzis; *Phase-field description of brittle fracture in plates and shells*; 89th Annual Meeting of GAMM 2018, Munich, Germany, March 2018

24. **J. Kiendl***, E. Marino, L. de Lorenzis; *Isogeometric collocation for the Reissner-Mindlin shell problem*; IGA 2017: International Conference on Isogeometric Analysis, Pavia, Italy, September 2017

23. **J. Kiendl***, M. Ambati, L. de Lorenzis, H. Gomez, A. Reali; *Isogeometric phase-field modeling of fracture in thin plates and shells*; USACM Thematic Conference on Isogeometric Analysis and Meshfree Methods, La Jolla, USA, October 2016

22. **J. Kiendl**, M. Ambati, L. de Lorenzis, A. Reali, H. Gomez; *Isogeometric phase-field modeling of brittle fracture in thin shells*; Joint Annual Meeting of DMV and GAMM 2016, Braunschweig, Germany, March 2016

21. **J. Kiendl***, M. Ambati, L. de Lorenzis; *Isogeometric phase-field modeling of brittle fracture in shell structures*; 3rd GAMM Workshop on Phase Field Modeling, Braunschweig, Germany, February 2016

20. **J. Kiendl**†, L. Heltai, A. Reali, A. DeSimone; *A natural framework for isogeometric fluid-structure-interaction: coupling BEM and Shell models*; USNCCM13: 13th US Congress on Computational Mechanics, San Diego, USA, July 2015

19. **J. Kiendl**†, M.-C. Hsu, A. Reali; *Isogeometric Thin Shell Analysis with Hyperelastic Materials and Application to Aortic Heart Valve Simulations*; ESMC 2015: 9th European Solid Mechanics Conference, Madrid, Spain, July 2015

18. **J. Kiendl**∗, M.-C. Hsu, A. Reali; *Isogeometric Kirchhoff-Love shell formulations for general hyperelastic materials*; IGA 2015: 3rd International Conference on Isogeometric Analysis, Trondheim, Norway, June 2015

17. **J. Kiendl**†, F. Auricchio, T. Hughes, A. Reali; *Isogeometric one-parameter formulations for shear deformable structures*; WCCM XI: 11th World Congress on Computational Mechanics, Barcelona, Spain, July 2014

16. **J. Kiendl**∗, F. Auricchio, T. Hughes, A. Reali; *One-parameter formulations for shear deformable structures*; HOFEIM 2014: Higher Order Finite Element and Isogeometric Methods, Frauenchiemsee, Germany, July 2014

15. **J. Kiendl**, F. Auricchio, A. Reali; *Single-variable formulations for shear-deformable structures*; 12th Workshop on theoretical and practical structural engineering, Munich, February 2014

14. **J. Kiendl**∗, F. Auricchio, T. Hughes, A. Reali; *A one-parameter isogeometric formulation for Timoshenko beams*; IGA 2014: Isogeometric Analysis: Integrating Design and Analysis, Austin, USA, January 2014

13. **J. Kiendl**∗, R. Wüchner, K.-U. Bletzinger, Y. Bazilevs; *Isogeometric shell analysis: applications in structural analysis, shape optimization, CAD-integration, and FSI*; AIMETA 2013: XXI Congress of the Italian Association of Theoretical and Applied Mechanics, Turin, Italy, September 2013

12. **J. Kiendl**, F. Auricchio, L. Beirão da Veiga, C. Lovadina, A. Reali; *Innovative isogeometric formulations for shear deformable beams and plates*; YIC 2013: ECCOMAS Young Investigators Conference, Bordeaux, France, September 2013

11. **J. Kiendl**∗, F. Auricchio, L. Beirão da Veiga, C. Lovadina, A. Reali; *Isogeometric collocation methods for thin structures*; SEECCM 2013: South-East European Conference on Computational Mechanics, Kos, Greece, June 2013

10. **J. Kiendl**, F. Auricchio, L. Beirão da Veiga, C. Lovadina, A. Reali; *Isogeometric collocation methods for thin structures*; GAMM 2013: 84th Annual Meeting of the International Association of Applied Mathematics and Mechanics, Novi Sad, Serbia, March 2013

9. **J. Kiendl**∗, F. Auricchio, L. Beirão da Veiga, C. Lovadina, A. Reali; *Isogeometric collocation methods for thin structures: spatial Timoshenko beams and Reissner-Mindlin plates*; ACM 2013: Advances in Computational Mechanics, San Diego, USA, February 2013

8. **J. Kiendl**∗, F. Auricchio, L. Beirão da Veiga, C. Lovadina, A. Reali; *Isogeometric collocation methods for spatial Timoshenko beams*; ECCOMAS 2012: 6th European Congress on Computational Methods in Applied Sciences and Engineering, Vienna, Austria, September 2012

7. **J. Kiendl**, R. Wüchner, K.-U. Bletzinger, Y. Bazilevs; *Isogeometric Kirchhoff-Love shell: applications in structural analysis, shape optimization, CAD-integration, FSI*; WCCM 2012: 10th World Congress on Computational Mechanics, São Paulo, Brasil, July 2012

6. **J. Kiendl**, R. Wüchner, K.-U. Bletzinger, A. Reali; *Isogeometric Shell Analysis and Shape Optimization*; YIC 2012: ECCOMAS Young Investigators Conference, Aveiro, Portugal, April 2012

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