

Curriculum Vitae

Professor Dr.-Ing. Andreas Öchsner, D.Sc.



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Personal Data

Nationality: German Citizen
Marital Status: Married
Children: One child
Languages: German, English, French, Portuguese

Date of Birth: October 19, 1970
Place of Birth: Blieskastel, Germany
Private Phone: +60197116825

Academic Degrees

- 06/1997 Diploma Degree (Dipl.-Ing., equiv. M.Sc.) in Aviation and Aerospace Engineering, University of Stuttgart, Germany
- 04/2003 Doctor of Engineering Sciences (Dr.-Ing., equiv. Ph.D.), University of Erlangen-Nuremberg, Germany
- 08/2010 Higher Doctorate Degree: Doctor of Science (D.Sc.), University of Newcastle, Australia

Education

- Primary School (Grundschule Frankenholz, Germany), 1977 to 1981
- Secondary School (Gymnasium am Krebsberg, Neunkirchen, Saar, Germany), 1981 to 1990
Final Grade: 1.0 (Very Good)
Ichabod Crane High School New York State, USA, for one month in 1987
- University of Stuttgart (Germany), Diploma Degree in Aviation and Aerospace Engineering, 10/1991 to 06/1997 Specialising in:
Aircraft Design and Lightweight Structures (Bachelor Thesis: Influence of Material- and Manufacturing-Factors on the Strength of Notched CFRC-Specimens)
Thermodynamics (Master Thesis: Optimization of the Cooling Circuit Operation of the Power Plant Bexbach)
Final Grade: Very Good

Practical Experience

- Ascometal Schmiedag AG, Homburg Saar, Germany, April - June 1991
- German Aerospace Airbus GmbH, Hamburg, Germany, Nov. 1993 - March 1994
- Institute of Aircraft Design and Lightweight Structures, University of Stuttgart, Germany, Student Research Assistant (Composite Testing), Oct. 95 - Dez. 96

- University of Erlangen-Nuremberg, Germany, Teaching and Research Assistant, 09/1997 to 08/2003
PhD Thesis: Experimental and Numerical Investigations of the Elastic-Plastic Properties of Model Cellular Materials
Final Grade: With Distinction
- University of Aveiro, Portugal, 2003 - 2006
Assistant Professor: Department of Mechanical Engineering
Head of Cellular Metals Group: Centre for Mechanical Technology and Automation
- University of Technology Malaysia, Malaysia, Dec. 2006 - May 2007
Visiting Professor, Faculty of Mechanical Engineering
- University of Technology Malaysia, Malaysia, May 2007 - Dec. 13
Full Professor, Department of Solid Mechanics and Design, Faculty of Mechanical Engineering
Head of the Advanced Materials and Structures Laboratory
Faculty Biosciences and Medical Engineering (FBME) (2012 - 2013)
- Griffith University, Australia, since Jan. 2014
Full Professor, Head of Discipline and Program Director, Mechanical Engineering

Industrial Consultancy

- AVCEN Limited - Creator and Maker of the JetpodTM, Malaysia - UK, April - July 2007

Conjoint Positions

- Conjoint Associate Professor (Honorary Appointment), School of Engineering, The University of Newcastle, Australia, from Dec. 2007
- Conjoint Professor (Honorary Appointment), School of Engineering, The University of Newcastle, Australia, from Dec. 2011

Participation in Research Centers

- Member of the Centre for Mass and Thermal Transport in Engineering Materials (UCMT-TEM), The University of Newcastle, Australia.
- Member of the International Research Center for Mathematics & Mechanics of Complex Systems (M&MOCS), University of L'Aquila, Italy.

Research Interests

- Mechanics of Cellular Materials (Metals and Ceramics)
- Experimental and Computational Mechanics
- Diffusion Simulation in Metals
- Damage Mechanics
- Thin Structures and Interphases
- Adhesive Technology

Courses Taught

- Exercise and Tutorial Lessons in Statics of Rigid Bodies; in German; Germany (TM I) and Elastostatics and Strength of Materials (TM II); in German; Germany [Undergraduate]
- Exercise and Tutorial Lessons in Continuum Mechanics I; in German; Germany [Graduate]
- The Finite Element Method; in English; Malaysia [Undergraduate]
- Composite Structures; in English; Malaysia [Graduate]

Courses Developed and Taught

- A Practical Course in Finite Element Methods with MSC.Nastran for Windows, in German [Graduate]
- Heat Transfer; in English; Portugal [Graduate]
- PDE – discrete approximation in time; in English; Portugal [Graduate]
- Advanced Plasticity of Materials; in English; Poland [Graduate] SOCRATES/ERASMUS program, 2004
- The Finite Element Method: A Theoretical and Practical Introduction; in English; Germany [Graduate] SOCRATES/ERASMUS program, 2005
- The Finite Element Method: An Introduction; in English; Germany [Graduate] SOCRATES/-ERASMUS program, 2006
- Finite Elements in Heat Transfer Analysis; in German; Germany [Graduate] SOCRATES/-ERASMUS program, 2006
- Mechanics of Advanced Materials; in English; Portugal [Graduate]
- Modelling and Testing of Cellular Materials (Short Course); in English; given during the International Conference on Advanced Computational Engineering and Experimenting - ACE-X 2007, 12-13 July 2007, Portugal, 2007 and ACE-X 2008, 14-15 July 2008, Spain, 2008
- Failure of Engineering Components and Structures; in English; Malaysia [Undergraduate]
- Computational Methods in Solid Mechanics; in English; Malaysia [Graduate]
- Cellular and Porous Materials in Structures and Processes, Advanced School at the International Centre for Mechanical Sciences (CISM), coordinated by Holm Altenbach and Andreas Öchsner, 28 September - 2 October 2009, Udine, Italy, 2009

Honours, Awards and Funding

Awards

- Book-Award from the Chemical Industry Fund in Frankfurt, Germany, 1987
- Award for best High School Graduation, Germany, 1990
- State Parliament's Award, Germany, 1993
- University of Technology Malaysia - UTM: Publication Award (Main Contributor), 2007
- Best Student Paper Award of The 2009 IAENG International Conference on Scientific Computing to Andreas Öchsner, Seyed Mohammad Hossein Hosseini, and Markus Merkel for the paper entitled Numerical Simulation of Sintered Perforated Hollow Sphere Structures (PHSS) to Investigate Thermal Properties, 2009
- University of Technology Malaysia - UTM: Publication Award (Main Contributor), 2008
- University of Technology Malaysia - UTM: Excellent Service (Publication Award Category), 2009
- Top Reviewer 2009 for Materials Letter (Elsevier)

- University of Technology Malaysia - UTM: UTM Publication Award 2009 (Impact Factor Journals), 2010
- Griffith University: Pro Vice Chancellor's Excellence Awards 2014: Sustainability Excellence Award in a Group, 2014
- Griffith University: Commendation for Innovation in Learning & Teaching, 2015

Guest Editorship of Journals

- Journal of Phase Equilibria and Diffusion, 26, 5, 2005
- Materials Science and Engineering Technology (Materialwiss. Werkst.), 36, 10, 2005
- Defect and Diffusion Forum, 258–260, 2006
- Materials Science Forum, 553, 2007
- Materials Science and Engineering Technology (Materialwiss. Werkst.), 39, 2, 2008
- Defect and Diffusion Forum, 273–276, 2008
- Advanced Engineering Materials, 10, 4, 2008
- International Journal of Nanomanufacturing, 2, 3, 2008
- International Journal of Adhesion and Adhesives, 28, 8, 2008
- Journal of Adhesion Science and Technology, 22, 13, 2008
- Defect and Diffusion Forum, 283–286, 2009
- Materials Letters, 63, 2009
- Materials Science and Engineering Technology (Materialwiss. Werkst.), 40, 3, 2009
- International Journal of Adhesion and Adhesives, 29, 6, 2009
- The Journal of Adhesion, 84, 4–6, 2009
- The Journal of Nano Research, 7, 2009
- Journal of Adhesion Science and Technology, 23, 10–11, 2009
- Advanced Engineering Materials, 11, 10, 2009
- Experimental Mechanics, 50, 5, 2010
- Journal of Adhesion Science and Technology, 30, 5, 2010
- The Journal of Nano Research, 11, 2010
- The Journal of Adhesion, 86, 5, 2010
- Defect and Diffusion Forum, 297–301, 2010
- Materials Science and Engineering Technology (Materialwiss. Werkst.), 41, 5, 2010
- The Journal of Nano Research, 13, 2011
- Key Engineering Materials, 478, 2011
- Materials Science and Engineering Technology (Materialwiss. Werkst.), 42, 5, 2011

- Journal of Biomedical Nanotechnology (a special section), 7, 3, 2011
- International Journal of Adhesion and Adhesives, 31, 5, 2011
- Defect and Diffusion Forum, 312–315, 2011
- The Journal of Adhesion, 87, 7–8, 2011
- The Journal of Nano Research, 16, 2011
- Defect and Diffusion Forum, 322, 2012
- The Journal of Adhesion, 88, 4–6, 2012
- International Journal of Fluid Mechanics Research, 39, 2, 2012
- Materials Science and Engineering Technology (Materialwiss. Werkst.), 43, 5, 2012
- International Journal of Structural Integrity, 3, 2, 2012
- Defect and Diffusion Forum, 326–328, 2012
- International Journal of Adhesion and Adhesives, 37, 2012
- The Journal of Nano Research, 21, 2013
- Defect and Diffusion Forum, 333, 2013
- Defect and Diffusion Forum, 334–335, 2013
- Key Engineering Materials, 553, 2013.
- Defect and Diffusion Forum, 336, 2013
- Materials Science and Engineering Technology (Materialwiss. Werkst.), 44, 5, 2013
- Materials Science and Engineering Technology (Materialwiss. Werkst.), 45, 4 & 5, 2014
- Advances in Materials Science and Engineering, Article ID 459108, 2014
- Defect and Diffusion Forum, 348, 2014
- Defect and Diffusion Forum, 353, 2014
- Defect and Diffusion Forum, 354, 2014
- Diffusion Foundations, 1, 2014
- The Journal of Nano Research, 29, 2014
- Defect and Diffusion Forum, 362, 2015
- Defect and Diffusion Forum, 364, 2015
- Materials Science and Engineering Technology (Materialwiss. Werkst.), 46, 4 & 5, 2015
- Diffusion Foundations, 4, 2015
- Defect and Diffusion Forum, 365, 2015
- Open Engineering, 5, 2015
- Defect and Diffusion Forum, 366, 2016
- Defect and Diffusion Forum, 367, 2016

- The Journal of Nano Research, 38, 2016

Funding, Projects and Cooperations

- Partial Funding of the ALEXANDER VON HUMBOLDT Foundation (AvH) for German Academics to visit Research Institutions of Humboldtians abroad, Sur-Place-Program (Rzeszow University of Technology, Poland), for one month in summer 2003
- Award of the Deutsche Forschungsgemeinschaft DFG (German Research Foundation) to attend the short course 'Nonlinear Finite Element Analysis' by T.J.R. Hughes & T. Belytschko in Paris, France, 15-19.12.2003
- Offer of the LEE KUAN YEW Postdoctoral Fellowship, National University of Singapore, 2003 (Rejection of the offer)
- Research Fellowship of the Deutsche Forschungsgemeinschaft DFG (German Research Foundation) for two years, starting March 2003
- Funding of the CALOUSTE GULBENKIAN Foundation for a short time visit at the London South Bank University, UK, for one month in summer 2004
- National coordinator of bilateral cooperation between Portugal and Slovenia on 'Computational modelling of heterogeneous engineering materials'. Funded by the Portuguese Ministry of Science, Technology and Higher Education (GRICES), 2004-2005
- National coordinator of bilateral cooperation between Portugal and Poland on 'Simulation of Composite Materials with Thin Nonlinear Intermediate Layers'. Funded by the Portuguese Ministry of Science, Technology and Higher Education (GRICES), 2004
- National coordinator of bilateral cooperation between Portugal and Brazil on 'Investigation of Damage Evolution in Metallic Foams'. Funded by the Portuguese Ministry of Science, Technology and Higher Education (GRICES), 2005-2006
- Coordinator of a national research project on 'Experimental and Numerical Investigation of Metal Foam-Based Composite Structures'. Funded by Portuguese Foundation of Science and Technology (FCT), 70000 Euro, 2005-2007
- Postdoctoral Fellowship (short-term) of the Japan Society for the Promotion of Science (JSPS) at the Institute of Scientific and Industrial Research, Osaka University (Host: Prof. Hideo Nakajima), for one month in March 2005
- Grant to invite a scientist for a short-time visit to Portugal (Prof. Miszuris, Rzeszow University of Technology, Poland). Funded by Portuguese Foundation of Science and Technology (FCT), 2005
- National coordinator of bilateral cooperation between Portugal and Slovenia on 'Computational Modelling of Cellular Materials under Impact Conditions'. Funded by the Portuguese Ministry of Science, Technology and Higher Education (GRICES), 2006-2007
- Funding of the CALOUSTE GULBENKIAN Foundation for a short time visit at the Liverpool University, UK, for one month (May), 2006
- Marie Curie Scholarship for experienced researcher to attend the course 'Classical and Advanced Theories of Thin Structures: Mechanical and Mathematical Aspects', International Centre for Mechanical Sciences - CISM, Udine, Italy, June 5-9, 2006
- Research visit to the Graduate School "Micro-Macro Interaction in Structured Media and Particle Systems", Otto-von-Guericke-University of Magdeburg, Germany. For one week in June 2006

- National coordinator of bilateral cooperation between Portugal and Russia on 'Working of Production Technology of Metallized Product and Quality Steel from Siderites of Bakal Deposit'. Funded by the Portuguese Ministry of Science, Technology and Higher Education (GRICES), 2006
- Grant to invite a scientist for a short-time visit to Portugal (Prof. Muñoz Rojas, State University of Santa Catarina, Joinville, Brazil). Funded by Portuguese Foundation of Science and Technology (FCT), 2006
- Invitation by the University of Newcastle, Australia, for a short-time visit as Visiting Academic at the School of Engineering, November 2006
- Bilateral cooperation between Portugal and United Kingdom on 'Asymptotic and numerical modelling of dynamic lattice structures with passive mass dampers'. Approved by the Portuguese Ministry of Science, Technology and Higher Education (CRUP) and British Council, 2007
- National research project on 'Experimental and Numerical Investigation of Hollow-Sphere-Structures under Impact Loading'. Approved by Portuguese Foundation of Science and Technology (FCT), 100000 Euro, 2007-2009 (rejected)
- National coordinator of bilateral cooperation between Portugal and Brazil on 'Investigation of Damage Evolution in Metallic Foams'. Funded by the Portuguese Ministry of Science, Technology and Higher Education (GRICES), one-year extension 2007
- Institutional research grant entitled "Experimental and Numerical Characterisation of Metallic Hollow Sphere Structures for Multifunctional Lightweight Applications in Transportation Industry", Technical University of Malaysia, Malaysia, 6000 Euro, May - August 2007
- Research grant (eScienceFund) entitled "Experimental and Numerical Characterisation of Metallic Hollow Sphere Structures", Ministry of Science, Technology and Innovation (MOSTI), Malaysia, 40000 Euro, Dec 2007 - Nov 2009
- Funding of the National Council for Scientific and Technological Development (CNPq) for a short time visit at the Federal University of Rio Grande do Sul (UFRGS), Porto Alegre, Brazil, for 10 days (January), 2008
- Funding of the Taiwan National Science Council (NSC) for a short time visit at the National Sun Yat-Sen University, Kaohsiung, Taiwan, for 6 days (April), 2009
- Principal Investigator (PI) of the Discovery Project "Design of reactive foils for joining amorphous alloys" (DP1092458), Australian Research Council, Australia, 330000 A\$, 2010-2012
- Invitation as Visiting Professor from University Kebanbgsaan (UKM) Malaysia in March 2011
- Fellowship of the German Academic Exchange Service (DAAD) in the scope of the program 'Recovery of German Scientists from Abroad', Germany, for one week (March), 2011
- Invitation as Visiting Professor from University Technology Petronas (UTP) Malaysia in November 2012
- Fellowship of the Embassy of France in Kuala Lumpur (Malaysia) for a short time visit at the National Institute of Applied Sciences of Lyon - INSA Lyon, France, for one week (October), 2013

- External partner of the project "Novel Cell Migration Assay Based on Microtissue Technology and Tissue-Specific Matrices – MATRIXASSAY" (GA 644175), Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE), 1000000 Euro, 2015-2019

Conferences

- Invited lecture at the 18th International Symposium 'Swiss Bonding 04', HSR Rapperswil, Switzerland, 2004
- Member of the International Advisor Committee and invited lecture at the Third International Conference on Mathematical Modeling and Computer Simulation of Material Technologies (MMT-2004), Ariel, Israel, 2004
- Invited lecture at the 2nd China Swiss Bonding, Beijing, China, 2004
- Member of the International Advisory Committee of the Fourth International Conference on Computational Heat and Mass Transfer (4th ICCHMT), Paris, France, 2005
- Chairman of the session 'Thermodynamics and kinetics of high temperature processes'. Third International Conference on Mathematical Modeling and Computer Simulation of Material (MMT-2004), Ariel, Israel, 2004
- Invited lecture at the 2nd Workshop on Advanced Computational Mechanics, University of Erlangen-Nuremberg, Germany, 2005
- Invited keynote lecture at the international workshop 'Diffusion in Solids: Past, Present and Future - DiSo-05', Moscow State Institute of Steel and Alloys, Russia, 2005
- Invited presentation and Chairman at the 19th International Symposium 'Swiss Bonding 05', HSR Rapperswil, Switzerland, 2005
- Chairman of the Organising Committee of the First International Conference on Diffusion in Solids and Liquids – DSL-2005, 6-8 July 2005, Aveiro, Portugal, 2005
- Invited lecture at the 135th Annual Meeting & Exhibition - TMS 2006, San Antonio, USA, March 12-16, 2006
- Member of the International Advisor Committee and Invited Lecture at the Fourth International Conference on Mathematical Modeling and Computer Simulation of Material Technologies (MMT-2006), Ariel, Israel, 2006
- Invited lecture and Chairman (Session: Application–Testing–Environment–Recycling) at the 20th International Symposium 'Swiss Bonding 06', HSR Rapperswil, Switzerland, May, 2006
- Chairman of the of the Second International Conference on Diffusion in Solids and Liquids – DSL-2006, 26-28 July 2006, Aveiro, Portugal, 2006
- Member of the Scientific Committee of the International Symposium on Multiphysics, 14-15 December 2006, Maribor, Slovenia
- Member of the International Organising Committee of the International Meeting on Developments in Materials, Processes and Applications of Nanotechnology MPA-2007, 15 January 2006, Belfast, UK, 2007
- Member of the Local Organising Committee of the International Conference on Surfaces, Coatings and Nanostructured Materials - NanoSmat 2007, 09-11 July 2007, Portugal, 2007
- Chairman of the First International Conference on Advanced Computational Engineering and Experimenting - ACE-X 2007, 12-13 July 2007, Algarve, Portugal, 2007

- Chairman of the of the Third International Conference on Diffusion in Solids and Liquids – DSL-2007, 4-6 July 2007, Algarve, Portugal, 2007
- Member of the International Scientific Committee of the 5th International Conference on Computational Heat and Mass Transfer (5th ICCHMT), Canmore, Alberta, Canada, 2007
- Member of the Scientific Committee of the International Conference Multiphysics 2007, 12-14 December 2007, Manchester, UK, 2007
- Member of the Science Committee of the First International Symposium on Bonding and Adhesion, Indo Swiss Bonding - ISB 08, 14-16 February 2008, Anna University, Chromepet, Chennai, India, 2008
- Member of the International Advisory Board of the 2nd International Meeting on Developments in Materials, Processes and Applications of Nanotechnology MPA-2008, 6-8 January 2008, Cambridge, UK, 2008
- Chairman of the Second International Conference on Advanced Computational Engineering and Experimenting – ACE-X 2008, 14-16 July 2008, Spain, 2008
- Chairman of the of the Fourth International Conference on Diffusion in Solids and Liquids – DSL-2008, 9-11 July 2008, Barcelona, Spain, 2008
- Member of the International Advisor Committee and Invited Lecture at the Fifth International Conference on Mathematical Modeling and Computer Simulation of Material Technologies (MMT-2008), Ariel, Israel, 08-12 September, 2008
- Member of the Programme Committee of the 3rd International Conference on Surfaces, Coatings and Nanostructured Materials - NanoSmat 2008, 21-24 October 2008, Barcelona, Spain, 2008
- Member of the International Scientific Committee of the 6th International Conference on Computational Heat and Mass Transfer (6th ICCHMT), Guangzhou, China, 18-21 May, 2009
- Chairman of the Third International Conference on Advanced Computational Engineering and Experimenting – ACE-X 2009, 22-23 June 2009, Rome, Italy, 2009
- Chairman of the of the Fifth International Conference on Diffusion in Solids and Liquids – DSL-2009, 24-26 June 2009, Rome, Italy, 2009
- Member of the International Scientific Committee of the International Conference on Multiscale Modelling and Simulation (ICMMS 2010), Guangzhou, China, 17-19 December, 2010
- Chairman of the Fourth International Conference on Advanced Computational Engineering and Experimenting – ACE-X 2010, 08-09 July 2010, Paris, France, 2010
- Chairman of the of the Sixth International Conference on Diffusion in Solids and Liquids – DSL-2010, 05-07 July 2010, Paris, France, 2010
- Chairman of the Fifth International Conference on Advanced Computational Engineering and Experimenting – ACE-X 2011, 03-06 July 2011, Algarve, Portugal, 2011
- Chairman of the of the Seventh International Conference on Diffusion in Solids and Liquids – DSL-2011, 26-30 June 2011, Algarve, Portugal, 2011
- Chairman of the Sixth International Conference on Advanced Computational Engineering and Experimenting – ACE-X 2012, 01-04 July 2012, Istanbul, Turkey, 2012

- Chairman of the of the Eighth International Conference on Diffusion in Solids and Liquids – DSL-2012, 25-29 June 2012, Istanbul, Turkey, 2012
- Chairman of the Seventh International Conference on Advanced Computational Engineering and Experimenting – ACE-X 2013, 01-04 July 2013, Madrid, Spain, 2013
- Chairman of the of the Ninth International Conference on Diffusion in Solids and Liquids – DSL-2013, 23-27 June 2013, Madrid, Spain, 2013

Invitations to Serve on Assessment Boards

- President of the Board for the Assessment of the Doctoral Thesis "Computational Modelling of Cellular Structures under Impact Conditions" submitted by Matej Vesenjaj, M.Sc., Faculty of Mechanical Engineering, University of Maribor, Slovenia, 2006
- Member of the Board for the Assessment of the Doctoral Thesis "Numerical and Experimental Investigation of Hollow Sphere Structures in Sandwich Panels" submitted by Dipl.-Ing. Thomas Fiedler, Department of Mechanical Engineering, University of Aveiro, Portugal, 2007
- External examiner of the Master Thesis entitled "Modelling of Heat and Mass Transport in Composite Materials" submitted by Ms. Nilindu Umayangika Muthumini Muthubandara, Faculty of Engineering & Built Environment, The University of Newcastle, Australia, 2008
- Member of an expert committee to appoint a contract professor, Universiti Kebangsaan Malaysia - UKM, Malaysia, 2012
- Internal examiner of the Doctoral Thesis entitled "Pios Hydrogen Fuel Cell Motorcycle with Triple Hybrid Drive Train" submitted by Mr. Joerg Dieter Weigl, Razak School of UTM in Engineering and Advanced Technology, University of Technology Malaysia - UTM, Malaysia, 2012
- External examiner of the Doctoral Thesis entitled "Advanced Constitutive Modeling of Granular Materials Incorporating Fabric Anisotropy Effects" submitted by Mr. Homayoun Shaverdi, Faculty of Engineering and Built Environment, National University of Malaysia - UKM, Malaysia, 2013
- External examiner of the Doctoral Thesis entitled "Tensile Behavior Evaluation of Carbon Nanotube/Polypropylene Composite using Non-Linear Finite Element Modeling" submitted by Mr. Ehsan Mohammad Pour, Department of Mechanical Engineering, University Technology Petronas - UTP, Malaysia, 2013
- External examiner of the Doctoral Thesis entitled "Multiwalled Carbon Nanotubes and its Composites as Alcohol Sensors and Field Electron Emission Cathodes" submitted by Mrs. Faridah binti Abdul Razak, Department of Physics, University of Malaya - UM, Malaysia, 2015

Referee for International Journals

- International Journal of Adhesion & Adhesives (ISSN: 0143-7496)
- Advanced Engineering Materials (ISSN: 1438-1656)
- Materials Letters (ISSN: 0167-577X)
- International Journal of Solids and Structures (ISSN: 0020-7683)

Member of Editorial Boards, Editor

- Editor-in-chief of Continuum Mechanics and Thermodynamics, Springer (ISSN: 0935-1175)
- Editor-in-chief of the Springer book series Advanced Structured Materials (ASM)
- Editor of SpringerBriefs in Applied Sciences and Technology: Computational Mechanics
- International Journal of Molecular Engineering (ISSN: 1743-8241)
- International Journal of Multiphysics (ISSN: 1750-9548)
- Journal of Nano Research (ISSN: 1661-9897)
- Materials Science and Engineering Technology (ISSN: 0933-5137)
- Defect and Diffusion Forum, Editor (ISSN: 1662-9507)

Professional Memberships

- GACM German Association for Computational Mechanics
- GAMM International Association of Applied Mathematics and Mechanics
- IACM International Association for Computational Mechanics

Hobbies

- Karate (Brown Belt, Instructor for Introductory Course)
- Triathlon
- Collecting antiquarian books (first editions)

Suggested Referees

Professor Graeme E. MURCH, BSc, PhD, DSc, DEng
 Professor of Materials Engineering (Personal Chair),
 School of Engineering, Building ES,
 The University of Newcastle, Callaghan, New South Wales 2308,
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Professor Dr.-Ing. habil. Dr. h.c. Holm ALTENBACH
 Otto-von-Guericke University Magdeburg,
 Institute of Mechanics,
 Chair of Applied Mechanics,

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Professor Dr.-Ing. Markus MERKEL
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Faculty of Mechanical Engineering,
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Professor Rudrapatna V. RAMNATH, M.Sc., M.S.E., M.A., Ph.D.
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