

Prof. Dr. HÜSNÜ DAL

Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: K-2349-2014

ScopusID: 26031218500

Yoksis Araştırmacı ID: 132615

Eğitim Bilgileri

Post Doktora, Universitaet Stuttgart, Simulasyon Teknolojileri Mükemmeliyet Merkezi, Hesaplama Malzeme Tasarımı, Almanya 2012 - 2014

Post Doktora, Eidgenössische Technische Hochschule, ETHZ (The Federal Institute of Technology, Zürich), Makina Mühendisliği Fakültesi, Mekanik Merkezi, İsviçre 2011 - 2012

Doktora, Technische Universitaet Dresden, İnşaat Fakültesi, Yapı Mekanığı Ve Yapı Dinamiği Enstitüsü, Almanya 2006 - 2011

Doktora, Leipzig Universität, İnşaat Fakültesi, Yapı Mekanığı Ve Yapı Dinamiği Enstitüsü, Almanya 2005 - 2006

Yüksek Lisans, Universitaet Stuttgart, İnşaat Fakültesi, Malzemelerin Ve Yapıların Hesaplama Mekanığı, Almanya 2003 - 2005

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, Türkiye 1997 - 2001

Yabancı Diller

İngilizce, C1 İleri

Almanca, B2 Orta Üstü

Yaptığı Tezler

Doktora, Approaches to the Modeling of Inelasticity and Failure of Rubberlike Materials, Technische Universitaet Dresden, İnşaat Fakültesi, Yapı Mekanığı Ve Yapı Dinamiği Enstitüsü, 2011

Yüksek Lisans, Approaches to Modeling of Thermoviscoplastic Behavior of Glassy Polymers, Universitaet Stuttgart, Disiplinlerarası Malzemelerin Ve Yapıların Hesaplama Mekanığı Yüksek Lisans Programı, Mühendislik - Disiplinlerarası, 2005

Araştırma Alanları

Makina Mühendisliği, Mekanik, Katı Cisimler Mekanığı, Kırılma Mekanığı, Sonlu Elemanlar Yöntemi, Biyomekanik,

Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2024 - Devam Ediyor
Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2018 - 2024
Okutman, Universitaet Stuttgart, İnşaat Fakültesi, İnşaat Mühendisliği, 2012 - 2014
Araştırma Görevlisi, Eidgenössische Technische Hochschule, ETHZ (The Federal Institute of Technology, Zürich), Makine Fakültesi, Makine Mühendisliği, 2011 - 2011
Araştırma Görevlisi, Technische Universität Dresden, İnşaat Fakültesi, İnşaat Mühendisliği, 2006 - 2011
Araştırma Görevlisi, Universitaet Leipzig, İnşaat Fakültesi, İnşaat Mühendisliği, 2005 - 2006
Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2001 - 2003

Akademik İdari Deneyim

Merkez Müdürü, Orta Doğu Teknik Üniversitesi, Rektörlük, Bilgisayar Destekli Tasarım, İmalat ve Robotik Merkezi, 2023 - Devam Ediyor
BAP Bilimsel Komisyon Üyesi, Orta Doğu Teknik Üniversitesi, Rektörlük, 2017 - Devam Ediyor
Orta Doğu Teknik Üniversitesi, Rektörlük, 2017 - Devam Ediyor

Yönetilen Tezler

Dal H., Failure Analysis of Infrared Sensing Devices due to Cryogenic Cooling, Doktora, E.CAN(Öğrenci), 2023
Dal H., A GENERALIZED PHASE-FIELD APPROACH FOR THE FAILURE OF RUBBER-LIKE MATERIALS, Doktora, KAÇIKGÖZ(Öğrenci), 2023
Dal H., Computational mechanics for soft biological tissues, Doktora, C.ALTUN(Öğrenci), 2023
Dal H., Hyperelastic Modelling Approaches to Polymeric Foams, Yüksek Lisans, Y.GARGI(Öğrenci), 2023
Dal H., Data-driven approach for rubberlike materials, Yüksek Lisans, M.ENİS(Öğrenci), 2022
Dal H., Testing, modelling and simulation of linear and circular linear shaped charges, Yüksek Lisans, M.TOP(Öğrenci), 2022
Dal H., A comparative study of anisotropic hyperelastic models of biological soft tissues, Yüksek Lisans, A.KAĞAN(Öğrenci), 2021
Dal H., Finite Element Formulations for Kirchhoff-Love Microplates, Doktora, M.KANDAZ(Öğrenci), 2020
Dal H., A diffusive crack model for fiber reinforced polymer composites, Doktora, F.AKSU(Öğrenci), 2020
Dal H., A comparative study of the fitting performance of hyperelastic constitutive models, Yüksek Lisans, Y.BADIENIA(Öğrenci), 2019
Dal H., Non-linear viscoelasticity for epoxy-based polymers : Theoretical modeling and numerical implementation, Yüksek Lisans, A.KORAL(Öğrenci), 2019
DAL H., Quasi-incompressible and quasi-inextensible element and material formulation for anisotropic medium, Yüksek Lisans, B.RODOPLU(Öğrenci), 2018
DAL H., Design of an inertia measurement device for stores, Yüksek Lisans, B.KILIÇ(Öğrenci), 2018
Dal H., Yıldırım R. O., Dynamic fracture of explosive bolt, Yüksek Lisans, B.GÖKÇE(Öğrenci), 2018
DAL H., Shape optimization of mems switches for miniaturization, Yüksek Lisans, I.AHMED(Öğrenci), 2018
DAL H., Investigation of deformation and shape memory characteristics of thermoplastic polymers, Yüksek Lisans, C.YİĞİTBAŞI(Öğrenci), 2018
DAL H., A multiobjective optimization toolbox development for parameter identification of elastomers, Yüksek Lisans, T.TEKİN(Öğrenci), 2018
DAL H., Finite strain modeling of coupled thermo-mechanical behavior of polycrystalline Ni-Ti shape memory alloys,

Yüksek Lisans, V.REZAZADEH(Öğrenci), 2017

DAL H., A phase field model for the failure of artery walls: Application to rupture due to Aneursym, Yüksek Lisans, O.Gültekin(Öğrenci), 2014

DAL H., Intercalation induced stress generation in high performance Li-ion battery systems, Yüksek Lisans, C.Mohammad(Öğrenci), 2013

DAL H., A Multiscale continuum damage model for cavity growth in rubberlike materials, Yüksek Lisans, F.Baş(Öğrenci), 2013

Araştırma Altyapısı Bilgileri

Dal H., Kauçuk Araştırma Laboratuvarı, Ağustos 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Spatial variation of physical, mechanical, and thermophysical properties of 3D printed concrete across a full-scale wall**
Bayrak A. T., Shaban N., Seyedian Choubi S., Tuncer E., Yang S., Yilmaz H. D., Alkilani A. Z., Dal H., Unluer C., Gürsel Dino I., et al.
Construction and Building Materials, cilt.431, 2024 (SCI-Expanded)
- II. **HYPER-DATA: A MATLAB based optimization software for data-driven hyperelasticity**
DURNA R., AÇAN A. K., Tikenogullari O. Z., DAL H.
SOFTWAREEX, 2024 (SCI-Expanded)
- III. **Data-driven hyperelasticity, Part II: A canonical framework for anisotropic soft biological tissues**
TİKENOĞULLARI O. Z., AÇAN A. K., Kuhl E., DAL H.
Journal of the Mechanics and Physics of Solids, cilt.181, 2023 (SCI-Expanded)
- IV. **An In Silico-Based Investigation on Anisotropic Hyperelastic Constitutive Models for Soft Biological Tissues**
DAL H., AÇAN A. K., Durcan C., Hossain M.
Archives of Computational Methods in Engineering, cilt.30, sa.8, ss.4601-4632, 2023 (SCI-Expanded)
- V. **Data-driven hyperelasticity, Part I: A canonical isotropic formulation for rubberlike materials**
Dal H., Denli F. A., Açısan A. K., Kaliske M.
Journal of the Mechanics and Physics of Solids, cilt.179, 2023 (SCI-Expanded)
- VI. **A one-pass predictor-corrector algorithm for the inverse Langevin function**
BAŞDEMİR S., DAL H.
Mathematics and Mechanics of Solids, cilt.28, sa.4, ss.920-930, 2023 (SCI-Expanded)
- VII. **Ductile-brittle failure of amorphous glassy polymers: A phase-field approach**
DAL H., Gültekin O., BAŞDEMİR S., AÇAN A. K.
Computer Methods in Applied Mechanics and Engineering, cilt.401, 2022 (SCI-Expanded)
- VIII. **Temperature-dependent thermoelastic properties of GaSb and InSb semiconductors: Identification through ab initio DFT simulations**
Baloğlu E. C., TOFFOLI H., DAL H.
Physica B: Condensed Matter, cilt.643, 2022 (SCI-Expanded)
- IX. **Electro-chemo-mechanical induced fracture modeling in proton exchange membrane water electrolysis for sustainable hydrogen production**
Aldakheel F., Kandekar C., Bensmann B., DAL H., Hanke-Rauschenbach R.
COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, cilt.400, 2022 (SCI-Expanded)
- X. **On the Performance of Isotropic Hyperelastic Constitutive Models for Rubber-Like Materials: A State of the Art Review**
DAL H., AÇIKGÖZ K., Badienia Y.

- APPLIED MECHANICS REVIEWS, cilt.73, sa.2, 2021 (SCI-Expanded)
- XI. An extended eight-chain model for hyperelastic and finite viscoelastic response of rubberlike materials: Theory, experiments and numerical aspects
DAL H., Gultekin O., AÇIKGÖZ K.
Journal of the Mechanics and Physics of Solids, cilt.145, 2020 (SCI-Expanded)
- XII. A quasi-incompressible and quasi-inextensible finite element analysis of fibrous soft biological tissues
Gultekin O., Rodoplu B., DAL H.
BIOMECHANICS AND MODELING IN MECHANOBIOLOGY, cilt.19, sa.6, ss.2357-2373, 2020 (SCI-Expanded)
- XIII. A phase-field model for fracture of unidirectional fiber-reinforced polymer matrix composites
Denli F. A., Gultekin O., Holzapfel G. A., DAL H.
COMPUTATIONAL MECHANICS, cilt.65, sa.4, ss.1149-1166, 2020 (SCI-Expanded)
- XIV. Computational modeling of progressive damage and rupture in fibrous biological tissues: application to aortic dissection
Gultekin O., Hager S. P., DAL H., Holzapfel G. A.
BIOMECHANICS AND MODELING IN MECHANOBIOLOGY, cilt.18, sa.6, ss.1607-1628, 2019 (SCI-Expanded)
- XV. On the quasi-incompressible finite element analysis of anisotropic hyperelastic materials
Gueltekin O., DAL H., Holzapfel G. A.
COMPUTATIONAL MECHANICS, cilt.63, sa.3, ss.443-453, 2019 (SCI-Expanded)
- XVI. A quasi-incompressible and quasi-inextensible element formulation for transversely isotropic materials
Dal H.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, cilt.117, ss.118-140, 2019 (SCI-Expanded)
- XVII. A three-scale compressible microsphere model for hyperelastic materials
Dal H., CANSIZ B., MIEHE C.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, cilt.116, sa.6, ss.412-433, 2018 (SCI-Expanded)
- XVIII. A comparative study of modified strain gradient theory and modified couple stress theory for gold microbeams
KANDAZ M., DAL H.
ARCHIVE OF APPLIED MECHANICS, cilt.88, sa.11, ss.2051-2070, 2018 (SCI-Expanded)
- XIX. Computational cardiology: the bidomain based modified Hill model incorporating viscous effects for cardiac defibrillation
CANSIZ B., DAL H., KALISKE M.
COMPUTATIONAL MECHANICS, cilt.62, sa.3, ss.253-271, 2018 (SCI-Expanded)
- XX. An affine microsphere approach to modeling strain-induced crystallization in rubbery polymers
NATEGHİ A., DAL H., Keip M. -, MIEHE C.
CONTINUUM MECHANICS AND THERMODYNAMICS, cilt.30, sa.3, ss.485-507, 2018 (SCI-Expanded)
- XXI. Numerical aspects of anisotropic failure in soft biological tissues favor energy-based criteria: A rate-dependent anisotropic crack phase-field model
Gueltekin O., DAL H., Holzapfel G. A.
COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, cilt.331, ss.23-52, 2018 (SCI-Expanded)
- XXII. Micro-sphere based viscoplastic constitutive model for uncured green rubber
DAL H., ZOPF C., Kaliske M.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, cilt.132, ss.201-217, 2018 (SCI-Expanded)
- XXIII. Computational cardiology: A modified Hill model to describe the electro-visco-elasticity of the myocardium
CANSIZ B., DAL H., KALISKE M.
COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, cilt.315, ss.434-466, 2017 (SCI-Expanded)
- XXIV. A phase-field model for chemo-mechanical induced fracture in lithium-ion battery electrode

particles

- MIEHE C., DAL H., SCHAENZEL L.-, RAINA A.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, cilt.106, sa.9, ss.683-711, 2016 (SCI-Expanded)
- XXV. **An orthotropic viscoelastic material model for passive myocardium: theory and algorithmic treatment**
CANSIZ F. B. C., Dal H., KALISKE M.
COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING, cilt.18, sa.11, ss.1160-1172, 2015 (SCI-Expanded)
- XXVI. **Computational electro-chemo-mechanics of lithium-ion battery electrodes at finite strains**
Dal H., Miehe C.
COMPUTATIONAL MECHANICS, cilt.55, ss.303-325, 2015 (SCI-Expanded)
- XXVII. **A fully implicit finite element method for bidomain models of cardiac electromechanics**
Dal H., Goektepe S., Kaliske M., Kuhl E.
COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, cilt.253, ss.323-336, 2013 (SCI-Expanded)
- XXVIII. **A constitutive model for finite deformation of amorphous polymers**
FLEISCHHAUER R., Dal H., KALISKE M., SCHNEIDER K.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, cilt.65, sa.1, ss.48-63, 2012 (SCI-Expanded)
- XXIX. **Characterization of fracture processes by continuum and discrete modelling**
KALISKE M., Dal H., FLEISCHHAUER R., JENKEL C., NETZKER C.
COMPUTATIONAL MECHANICS, cilt.50, sa.3, ss.303-320, 2012 (SCI-Expanded)
- XXX. **A fully implicit finite element method for bidomain models of cardiac electrophysiology**
Dal H., GÖKTEPE S., KALISKE M., Kuhl E.
COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING, cilt.15, sa.6, ss.645-656, 2012 (SCI-Expanded)
- XXXI. **An endochronic plasticity formulation for filled rubber**
NETZKER C., Dal H., KALISKE M.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, cilt.47, ss.2371-2379, 2010 (SCI-Expanded)
- XXXII. **Bergstrom-Boyce model for nonlinear finite rubber viscoelasticity: theoretical aspects and algorithmic treatment for the FE method**
Dal H., KALISKE M.
COMPUTATIONAL MECHANICS, cilt.44, sa.6, ss.809-823, 2009 (SCI-Expanded)
- XXXIII. **A micro-continuum-mechanical material model for failure of rubber-like materials: Application to ageing-induced fracturing**
Dal H., KALISKE M.
JOURNAL OF THE MECHANICS AND PHYSICS OF SOLIDS, cilt.57, sa.8, ss.1340-1356, 2009 (SCI-Expanded)
- XXXIV. **Fracture mechanical behaviour of visco-elastic materials: application to the so-called dwell-effect**
NAESER B., KALISKE M., Dal H., NETZKER C.
ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, cilt.89, sa.8, ss.677-686, 2009 (SCI-Expanded)

Düger Dergilerde Yayınlanan Makaleler

- I. **Finite Element Analyses of the Modified Strain Gradient Theory Based Kirchhoff Microplates**
Kandaz M., DAL H.
SURFACES, cilt.4, sa.2, ss.115-156, 2021 (ESCI)
- II. **ANALYSIS OF GOLD MICRO-BEAMS WITH MODIFIED STRAIN GRADIENT THEORY**
DAL H.
Anadolu Üniversitesi Bilim Ve Teknoloji Dergisi A - Uygulamalı Bilimler ve Mühendislik, cilt.18, ss.663-681, 2017 (Hakemli Dergi)

Kitap & Kitap Bölümleri

- I. **Macroscopical Modeling and Numerical Simulation for the Characterization of Crack and Durability Properties of Particle-Reinforced Elastomers**
Behnke R., DAL H., Geissler G., Naeser B., Netzker C., Kaliske M.
Fracture Mechanics and Statistical Mechanics of Reinforced Elastomeric Blends, Grellmann, Wolfgang and Heinrich, Gert and Kaliske, Michael and Klüppel, Manfred and Schneider, Konrad and Vilgis, Thomas, Editör, Springer Berlin Heidelberg, ss.70-167, 2013

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Dispersion-type Anisotropic Viscoelasticity: Model Validation for Myocardium**
Dal H., Acan A. K., Altun C.
92nd Annual Meeting of the International Association of Applied Mathematics and Mechanics (GAMM), Aachen, Almanya, 15 - 19 Ağustos 2022, cilt.23, sa.1, ss.1-6
- II. **Two novel Kirchhoff plate finite elements for the modified strain gradient theory**
Kandaz M., DAL H.
90th Annual Meeting of the Gesellschaft für Angewandte Mathematik und Mechanik (GAMM), 18 - 22 Şubat 2019, cilt.19
- III. **A Quasi-Incompressible and Quasi-Inextensible Finite Element Implementation of Fibrous Soft Biological Tissues**
Gültekin O., Rodoplù B., Dal H.
Beyond 2019: Computational Science and Engineering Conference, Ankara, Türkiye, 9 - 11 Eylül 2019, ss.35
- IV. **A Crack Phase-field Model to Analyze Aortic Dissections**
Holzapfel G. A., Gültekin O., Hager S. P., Dal H.
COMPLAS 2019 15th International Conference on Computational Plasticity-Fundamentals and Applications, Barcelona, İspanya, 3 - 05 Eylül 2019, ss.1
- V. **A phase-field approach to viscoelastic fracture in rubbery polymers**
Denli F. A., Gültekin O., Dal H.
IWPDF 2019 1st International Workshop on Plasticity, Damage and Fracture of Engineering Materials, Ankara, Türkiye, 22 - 23 Ağustos 2019, ss.1
- VI. **Phase-field approach to model fracture in human aorta**
Gültekin O., Holzapfel G. A., Dal H.
IWPDF 2019 1st International Workshop on Plasticity, Damage and Fracture of Engineering Materials, Ankara, Türkiye, 22 - 23 Ağustos 2019, ss.1
- VII. **Nonlinear compressible finite viscoelasticity of epoxy-based polymers**
Dal H., Welschinger F., Gromala P. J., Han B.
11th European Conference on Constitutive Models for Rubber, 2019, Nantes, Fransa, 25 - 27 Haziran 2019, ss.335-340
- VIII. **A comparative study on hyperelastic constitutive models on rubber: State of the art after 2006**
Dal H., Badienia Y., Acikgoz K., Denli F. A.
11th European Conference on Constitutive Models for Rubber, 2019, Nantes, Fransa, 25 - 27 Haziran 2019, ss.239-244
- IX. **A Comparative Study on the Hyperelastic Constitutive Models for Rubber**
Dal H.
Workshop on "Plasticity, Damage and Fracture of Engineering Materials", Ankara, Türkiye, 25 Ekim 2018, ss.9
- X. **Numerical Modeling of Rupture in Human Arterial Walls**
Gültekin O., Dal H., Holzapfel G. A.
WCB 2018 8th World Congress of Biomechanics, Dublin, İrlanda, 8 - 12 Temmuz 2018, ss.1-2
- XI. **A Phase-field Approach to Model Aortic Dissections**

- Gültekin O., Dal H., Holzapfel G. A.
 ESMC 2018 10th European Solid Mechanics Conference, Bologna, İtalya, 2 - 06 Temmuz 2018, ss.1
- XII. **MÜHİMMAT SİSTEMLERİ İÇİN KÜTLE ÖZELLİKLERİ ÖLÇÜMÜ YAPAN TEST DÜZENEĞİ TASARIMI**
 Kılıç B., Dal H., Tüzün A.
 SAVTEK 9. Savunma Teknolojileri Kongresi, Ankara, Türkiye, 27 - 29 Haziran 2018
- XIII. **A rate dependent phase field approach for the failure of rubberlike materials**
 Aksu Denli F., Dal H.
 6th European Conference on Computational Mechanics (Solids, Structures and Coupled Problems) (ECCM 6) and
 the 7th European Conference on Computational Fluid Dynamics (ECFD 7), Glasgow, Birleşik Krallik, 11 - 15
 Haziran 2018, ss.1
- XIV. **Affine Full Network Model for Strain-Induced Crystallization in Rubbery Polymers**
 NATEGHİ A., DAL H., KEİP M. A., Miehe C.
 Proceedings of the 7th GACM Colloquium on Computational Mechanics for Young Scientists from Academia and
 Industry, 11 - 13 Ekim 2017
- XV. **A Novel Parameter Identification Toolbox for the Selection of Hyperelastic Constitutive Models from Experimental Data**
 DAL H., BADİENİA Y., AÇIKGÖZ K., AKSU DENLİ F.
 Proceedings of the 7th GACM Colloquium on Computational Mechanics for Young Scientists from Academia and
 Industry, 11 - 13 Ekim 2017
- XVI. **CRACK PHASE-FIELD MODELING OF ANISOTROPIC RUPTURE IN FIBROUS SOFT TISSUES**
 GUELTEKİN O., DAL H., HOLZAPFEL G. A.
 14th International Conference on Computational Plasticity - Fundamentals and Applications (COMPLAS),
 Barcelona, İspanya, 5 - 07 Eylül 2017, ss.139-150
- XVII. **A quasi-inextensible and quasi-incompressible finite element formulation for transversely anisotropic hyperelastic solids and soft biological tissues**
 DAL H., RODOPLU B.
 XIV International Conference on Computational Plasticity. Fundamentals and Applications, 5 - 07 Eylül 2017
- XVIII. **Phase-Field Models for the Failure of Anisotropic Continua**
 DAL H., GÜLTEKİN O., AKSU DENLİ F., HOLZAPFEL G.
 88th Annual Meeting of the International Association of Applied Mathematics and Mechanics, Weimar, Almanya, 6 -
 10 Mart 2017
- XIX. **Analysis of Gold Microbeams with Higher Order Continuum Theories**
 KANDAZ M., DAL H., ÜNLÜ M.
 88th Annual Meeting of the International Association of Applied Mathematics and Mechanics, Weimar, Almanya, 6 -
 10 Mart 2017
- XX. **Electro Chemo Mechanics and Fracture of Li Ion Battery Electrodes**
 DAL H.
 Multiscale phenomena in electrochemical and porous systems, 14 - 16 Haziran 2016
- XXI. **A PHASE FIELD APPROACH TO MODEL FRACTURE OF ARTERIAL WALLS**
 GÜLTEKİN O., DAL H., HOLZAPFEL G. A.
 European Congress on Computational Methods in Applied Sciences and Engineering, GİRİT, Yunanistan, 5 - 10
 Haziran 2016
- XXII. **A quasi inextensible element formulation for anisotropic continuum**
 DAL H.
 European Congress on Computational Methods in Applied Sciences and Engineering, GİRİT, Yunanistan, 5 - 10
 Haziran 2016
- XXIII. **Computational Modeling of Multi physics Phenomena in Lithium Ion Battery Electrodes**
 DAL H.
 EUROPEAN CONFERENCE ON NUMERICAL MATHEMATICS AND ADVANCED APPLICATIONS, Ankara, Türkiye, 14 -
 18 Eylül 2015
- XXIV. **Fully Coupled Cardiac Electromechanics with Orthotropic Viscoelastic Effects**

- CANSIZ B., DAL H., KALISKE M.
IUTAM/EUROMECH Symposium Dynamics of Capsules, Vesicles and Cells in Flow (DYNACAPS), Compiegne, Fransa,
15 - 19 Temmuz 2014, ss.124-133
- XXV. **Computational modeling of cardiac tissue with strongly coupled electromechanics and orthotropic viscoelastic effects**
Cansiz B., DAL H., Kaliske M.
GAMM Annual Scientific Conference, 10 - 14 Mart 2014, cilt.14, ss.119-120
- XXVI. **On Micromechanically Based Approaches to Failure in Polymers**
SCHÄNZEL L., DAL H., Miehe C.
GAMM Annual Scientific Conference, 18 - 22 Mart 2013, cilt.13, ss.557-560
- XXVII. **Coupled chemomechanics and phase field modeling of failure in electrode materials of Li ion batteries**
DAL H., Miehe C.
GAMM Annual Scientific Conference, 18 - 22 Mart 2013, cilt.13, ss.207-208
- XXVIII. **A new continuum approach to the coupling of shear yielding and crazing with fracture in glassy polymers**
SCHANZEL L., DAL H., Miehe C.
GAMM Annual Scientific Conference, 26 - 30 Mart 2012, cilt.12, ss.337-338
- XXIX. **Numerical aspects on computational homogenization of epoxy glass composites**
FLEİSCHHAUER R., DAL H., Kaliske M.
GAMM Annual Scientific Conference, 26 - 30 Mart 2012, cilt.12, ss.425-426
- XXX. **An extended tube model for thermo viscoelasticity of rubberlike materials Theory and numerical implementation**
Behnke R., DAL H., Kaliske M.
European Conference on Constitutive Models for Rubber VII, 20 - 23 Eylül 2011, ss.87-92
- XXXI. **A three field bi domain based approach to the strongly coupled electromechanics of the heart**
DAL H., GÖKTEPE S., Kaliske M., Kuhl E.
GAMM Annual Scientific Conference, 18 - 21 Nisan 2011, cilt.11, ss.931-934
- XXXII. **An extended tube model for thermo viscoelasticity of rubberlike materials Parameter identification and examples**
BEHNKE R., DAL H., Kaliske M.
GAMM Annual Scientific Conference, 18 - 21 Nisan 2011, cilt.11, ss.353-354
- XXXIII. **Micromechanical modelling and two scale simulation of epoxy glass composites with interphases and interfaces**
Fleischhauer R., DAL H., Kaliske M.
GAMM Annual Scientific Conference, 22 - 26 Mart 2010, cilt.10, ss.407-408
- XXXIV. **Thermoviscoelasticity of fibre reinforced rubbery polymers**
DAL H., Kaliske M., HICKMANN R., CHERIF C., JURK R., HEİNRICH G.
GAMM Annual Scientific Conference, 22 - 26 Mart 2010, cilt.10, ss.287-288
- XXXV. **A micro macro approach to the failure of rubber like materials**
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Akademi Dışı Deneyim

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