



Universitatea
Transilvania
din Braşov

ADMITERE DOCTORAT 2020-2021

Sesiunea Septembrie 2020

**Şcoala Doctorală Interdisciplinară
(SDI)**

Domeniul de doctorat:

Inginerie mecanică

Conducător doctorat:

Prof.dr.ing. Mihaela Ioana BARITZ

TEME (TEMATICĂ) PENTRU CONCURS

TEMA 1: *Cercetări teoretice și experimentale privind imagistica medicală implementată în studii de biomecanică*

Bibliografie recomandată:

1. Olariu V., Rosca I., Baritz M., Barbu D., Radu N. Gh. , Biomecanica, Editura Macarie, Târgoviște, Colectia Universitaria, ISBN: 973-9372-01-5, An: 1998
2. Alexandros Andre Chaaaraoui, Jose Ramon Padilla-Lopez, Francisco Javier Ferrandez-Pastor, Mario Nieto-Hidalgo and Francisco Florez-Revuelta, A Vision-Based System for Intelligent Monitoring: Human Behaviour Analysis and Privacy by Context, Sensors 2014, 14, 8895-8925; doi:10.3390/s140508895
3. Kejonen P., Body movement during postural stabilization-Measurements with a motion analysis system, Department of Physical Medicine and Rehabilitation, University of Oulu, 2002;
4. Ronald Poppe et al., "AMAB: Automated measurement and analysis of body motion", Behav Res DOI 10.3758/s13428-013-0398-y, 2013
5. Tozeren, Human Body Dynamics: Classical mechanics and Human Movement, 2000 Springer-Verlag New York, Inc.ISBN 0-387-98801-7
6. Rohit M. Thanki, Ashish M. Kothari, Digital Image Processing using SCILAB, Springer Publishing House, ISBN 978-3-319-89532-1, 2018
7. Norberto Peña; Bruno Cecílio Credidio, Lorena Peixoto Corrêa; Lucas Gabriel Souza França; Marcelo do Vale Cunha; Marcos Cavalcanti de Sousa; João Paulo Bomfim Cruz Vieira; José Garcia Vivas Miranda, Instrumento livre para medidas de movimento-Free instrument for measurements of motion, Rev. Bras. Ensino Fís. vol.35 no.3 São Paulo July/Sept. 2013;

Conducător doctorat:

Nume, prenume, semnătură

Prof.dr.ing. Mihaela Ioana BARITZ



Transilvania
University
of Brasov

ADMISSION TO DOCTORAL STUDIES

2020-2021

Session September 2020

Interdisciplinary Doctoral School
(SDI)

Field of doctoral studies:

Mechanical Engineering

PhD supervisor:

Prof. Mihaela Ioana BARITZ PhD.

TOPICS FOR THE ADMISSION TO DOCTORAL STUDIES

TOPIC 1: *Theoretical and experimental researches on medical imaging implemented in biomechanical studies*

Recommended bibliography:

1. Olariu V., Rosca I., Baritz M., Barbu D., Radu N. Gh. , *Biomechanica*, Editura Macarie, Târgoviște, Colectia Universitara, ISBN: 973-9372-01-5, An: 1998
2. Alexandros Andre Chaaaraoui, Jose Ramon Padilla-Lopez, Francisco Javier Ferrandez-Pastor, Mario Nieto-Hidalgo and Francisco Florez-Revuelta, *A Vision-Based System for Intelligent Monitoring: Human Behaviour Analysis and Privacy by Context*, Sensors 2014, 14, 8895-8925; doi:10.3390/s140508895
3. Kejonen P., *Body movement during postural stabilization-Measurements with a motion analysis system*, Department of Physical Medicine and Rehabilitation, University of Oulu, 2002;
4. Ronald Poppe et al., "*AMAB: Automated measurement and analysis of body motion*", Behav Res DOI 10.3758/s13428-013-0398-y, 2013
5. Tozeren, *Human Body Dynamics: Classical mechanics and Human Movement*, 2000 Springer-Verlag New York, Inc.ISBN 0-387-98801-7
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7. Norberto Peña; Bruno Cecílio Credidio, Lorena Peixoto Corrêa; Lucas Gabriel Souza França; Marcelo do Vale Cunha; Marcos Cavalcanti de Sousa; João Paulo Bomfim Cruz Vieira; José Garcia Vivas Miranda, *Instrumento livre para medidas de movimento-Free instrument for measurements of motion*, Rev. Bras. Ensino Fís. vol.35 no.3 São Paulo July/Sept. 2013;

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