Curriculum Vitae

Tomasz Kozior

1. PRESENT POSITION AND CONTACT INFORMATION

PhD student, Department of Mechatronics and Mechanical Engineering

Kielce University of Technology

Al. 1000-lecia Państwa Polskiego 7, 25-314 Kielce

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2. EDUCATION

M.Sc. Eng. Faculty of Mechatronics and Mechanical Engineering, 2011, Kielce University of Technology.

3. RESEARCH INTEREST

Additive Manufacturing, Rapid Prototyping, Design and Manufacturing, CAD/CAM, Unconventional research of energy, Machining.

4. EXPERIENCE

4a. Employment

1/2015-7/2015 **Mechanical design engineer**

"BIKO serwis". Mechanical design engineer responsibility for design 3D model from solid and sheet especially belt conveyors and storage of bulk products in SolidWorks 2008-2015 and AutoCad 2012.

9/2011-11/2012 **Technologist**

"Chemar" cast steel foundry in Kielce, Poland. Technologist responsibility for design casting molds and models especially valve for high pressure pipeline in SolidWorks, SolidEdge ST4 and AutoCad.

4b. OTHER SCIENCE ACTIVITIES

5/2015-present Membership, ASTM International.

2011-2015 Participated in three editions of competition "student inventor" - organized by the Kielce University of Technology and the Polish Patent Office.

5. PUBLICATIONS

5a. Journal Papers

1. Czesław Kundera, Tomasz KOZIOR. Research of the elastic properties of bellows made in SLS technology, **Advanced Materials Research**, Vol. 874, pp. 77-81, 2014.

2. Czesław Kundera, Tomasz KOZIOR. Elastic bellows prepared by selective laser sintering, **Applied Mechanics and Materials**, Vol. 630, pp. 318-325, 2014.

3. Jerzy Bochnia, Tomasz KOZIOR. Methods of prototyping process using modern additive technologies, **Solid State Phenomena** ,Vol. 223, pp. 199-208, 2014.

4. Tomasz KOZIOR. Problems of producing thin-walled elements by selective laser sintering, **Solid State Phenomen**a, Vol. 223, pp. 191-198, 2014.

5. Kundera Cz, KOZIOR T. Influence of the amount of energy provided to sintered polyamide layer in SLS technology on mechanical properties, **Logistyka** (6) 6374-6380, 2014.

6. Kundera Cz, KOZIOR T. Assesment of the technological clearance in model of sliding bearing made by sls technology, monography - Innovative manufacturing technology, **Mechanik** 2/2015, pp. 345-354, 2015.

5b. Conference Papers

1. "Research of the elastic properties of bellows made in SLS technology", T. Kozior and Cz. Kundera, International conference: **Terotechnology,** Kielce, Poland, 2013.

2. "Methods of prototyping process using modern additive technologies" T. Kozior, J. Bochnia, **Future Engineering,** Kurozwęki, Poland, 2014.

3. "Assessment of technological clearance in the model of sliding bearing made by SLS ", T. Kozior, Cz. Kundera, International conference: **Innovative Manufacturing Technologies**, Zakopane, Poland, 2014.

4. "Stress relaxation in SLS technology", T. Kozior, International conference: **TRANSCOM**, Żylina, Slovakia, 2015.

6. PATENT APPLICATION

1. "The device to tested elastic elements, especially bellows", T. Kozior, Cz. Kundera, A1 409990, Poland, 2014.
2. "Lathe mandrel", T. Kozior, J. Bochnia, A1 408388, Poland, 2014.
3. "Lathe mandrel", T. Kozior, J. Bochnia, A1 406330, Poland, 2013.
4. "Adjustable lathe mandrel", T. Kozior, J. Bochnia, A1 404740, Poland, 2013.

7. TEACHING

1. Rapid Prototyping in manufacturing process,
2. Manufacturing technology - machining,
3. CAD/CAM,
4. Innovative Technology.