



## Eugen Valentin Butilă

**Work** : 29, Bd. Eroilor, 500036, Brasov, Romania

**Email**: [butila@unitbv.ro](mailto:butila@unitbv.ro)

**Nationality**: Romanian

### WORK EXPERIENCE

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[ 1 Jan 2017 – Current ]

#### Technical coordinator for IT and infrastructure in International Relations Office

*Transylvania University of Brasov*

**City**: Brasov | **Country**: Romania

- maintenance of computers.
- Web page for International Relations Office and ERASMUS+ Office

[ 5 Dec 2013 – Current ]

#### Researcher

*Transylvania University of Brasov*

**City**: Brasov | **Country**: Romania

[ 1 Jun 2010 – 31 May 2013 ]

#### Postdoctoral researcher

*Transylvania University of Brasov*

**Address**: 29, Eroilor, 500036, Braşov, Romania

Research

### EDUCATION AND TRAINING

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[ 1 Oct 2001 – 15 Sep 2008 ]

#### PhD

*Transylvania University of Brasov*

**Address**: 29, Eroilor, 500036, Brasov, Romania | **Field(s) of study**: Mechanical Engineering

*Expert System for Designing Mechanical Transmissions*

[ 1 Oct 2000 – 30 Jun 2001 ]

#### Master Degree

*Transylvania University of Braşov*

**Address**: 29, Eroilor, 500036, Braşov, Romania | **Field(s) of study**: Mechanical Engineering

Robotics

[ 1 Oct 1995 – 30 Jun 2000 ]

#### Bachelor Degree

*Transylvania University of Braşov*

**Address**: 29, Eroilor, 500036, Braşov, Romania | **Field(s) of study**: Mechanical Engineering

Industria Robots

### LANGUAGE SKILLS

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**Mother tongue(s)**: Romanian , Hungarian

## Other language(s):

**English**






**LISTENING** B1 **READING** B2 **WRITING** A2

**SPOKEN PRODUCTION** B1 **SPOKEN INTERACTION** B1

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## DIGITAL SKILLS

### Digital Skills - Test Results

 Information and data literacy	<b>ADVANCED</b> Level 5 / 6
 Communication and collaboration	<b>ADVANCED</b> Level 5 / 6
 Digital content creation	<b>ADVANCED</b> Level 5 / 6
 Safety	<b>ADVANCED</b> Level 5 / 6
 Problem solving	<b>ADVANCED</b> Level 5 / 6

*Results from [self-assessment](#) based on [The Digital Competence Framework 2.1](#)*

## PUBLICATIONS

### Publications

- Burlacu, M; Boboc, RG and **Butila**, EV. Smart Cities and Transportation: Reviewing the Scientific Character of the Theories. SUSTAINABILITY. July 2022
- **Butila**, EV and Boboc, RG. Urban Traffic Monitoring and Analysis Using Unmanned Aerial Vehicles (UAVs): A Systematic Literature Review. REMOTE SENSING. February 2022
- Boboc, R. G., F. Girbacia, and E. V. **Butila**. "The Application of Augmented Reality in the Automotive Industry: A Systematic Literature Review." [In English]. Applied Sciences-Basel 10, no. 12 (Jun 2020): 23. <https://doi.org/10.3390/app10124259>.
- Tavcar, A., C. Antonya, and E. V. **Butila**. "Recommender System for Virtual Assistant Supported Museum Tours." [In English]. Informatica-Journal of Computing and Informatics 40, no. 3 (Sep 2016): 279-84.
- Girbacia, F., A. Dumitru, C. Postelnicu, M. Duguleana, T. Girbacia, E. **Butila**, A. Beraru, and G. Mogan. "Effects of Adas Notifications on Driver's Visual Attention under Simulator Driving Conditions." [In English]. Perception 45 (Aug 2016): 307-08.
- Girbacia, T., F. Girbacia, M. Duguleana, and E. **Butila**. "Augmented Reality System for Training Robotic Prostate Biopsy Needle Guidance." Paper presented at the 10th International Conference on Virtual Learning, Timisoara, ROMANIA, Oct 31 2015.
- **Butila**, E. V., A. N. Panfir, and G. Mogan. "Expert System for Coupling Selection." Paper presented at the 8th IEEE/IACSIT/SCIEI International Conference on Optimization of the Intelligent Systems and Their Applications in Aerospace, Robotics, Mechanical Engineering, Manufacturing Systems, Biomechatronics and Neurorehabilitation (OPTIROB), Romania, Jun 20-23 2013.

## ORGANISATIONAL SKILLS

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### Organisational skills

Good knowledge of CAD/ CAE design. Good knowledge of financial.

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## COMMUNICATION AND INTERPERSONAL SKILLS

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### Communication and interpersonal skills

Team spirit;  
I worked on many projects teams.

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## OTHER SKILLS

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### Other skills

Trekking  
Swimming  
Mountain biking  
Photographer

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## INTERNATIONAL PROJECTS

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### International Projects

- 1<sup>st</sup> November 2020 – 31<sup>st</sup> October 2023. **Environmental Education – OERs for Rural Citizens (EnvEdu-OERs)**. Is a cooperation project in higher education selected with financial support from The Education, Scholarships, Apprenticeships and Youth Entrepreneurship Programme (ESAYEP), which is one of the 12 financing programmes of the EEA Financial Mechanism, 2014-2021.
- 2021-2024 - MONGWBL - Work-based learning for higher education system in Mongolia towards better employability of university graduates (618777-EPP-1-2020-1-MN-EPPKA2-CBHE-SP)
- 2015 - 2018 - **eHERITAGE** - *Expanding the Research and Innovation Capacity in Cultural Heritage Virtual Reality Applications*. - eHERITAGE - H2020-TWINN-2015/H2020-TWINN-2015 contract nr. 692103.
- 2013 - 2016 - **OI-NET** - *The European Academic Network for Open Innovation*. - Ref. number: 542203-LLP-1-2013-1-FI-ERASMUS-ENW - 2014 - financial administrator.
- 2013 - 2015 - **Learn DO** - *Project Erasmus for Young Entrepreneurs*, Contract nr. C5-325427 LEARN DO
- 2008.09.19 - 2011.12.31 - **Digital Cities** - THE INTERREG IVC PROGRAMME. Budget 180.000 Euro
- 2008.10.01 - 2010.11.30 - **Q-PLANET** – *Quality Placements Network*. Contract n. 2007-2589/001-001 Project number: 142308-LLP-1-2008-1-DE-ERASMUS-ECUE, Budget 400.000 Euro
- 2007.10.01 - 2010.09.30 - **EUE-NET** – *European University Enterprise Networkvaloare*. 134546-LLP-1-2007-1- RO-ERASMUS-EN Contract n. 2007-2589/001-001 2008-2011, Budget 600.000 Euro
- 2005.05 - 2008.04 - FP6 - **VEGA** – *Virtual Reality in Product Design and Robotics*. Contract FP6-IST 16565, Budget 900.000 Euro
- 2005 - 2008 - **EUI-NET** – *European University – Industry Network*. Contract No: Ref. 116343 - CP -1-2004-1- RO - ERASMUS. Budget 560.000

- 2003.08.01 - 2004.07.31 - **Alineea** - SOCRATES - Grundtvig 2
- 2002 - 2005 - FP5 - **ADEPT** – *Advanced Computer Aided Design of Ecological Products and Tehnologies Integrating Green Energy Sources*. Contract type FP5, G1MA-CT-2002-04038, Buget 198.800 Euro.
- 2002.03.01 - 2004.03.01 - FP5 - **IRMA** - *A Configurable Virtual Reality System for Multi-PurposeIndustrial Manufacturing Applications*. NAS complement to contract number GIRD-CT-1999-00236. PROJECT IRMA, 1999/0006(IMS 97007) – NAS GRD3-2001-61804.

## NATIONAL PROJECTS

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### National Projects

- 2014.07.01 - 2017.10.01 - **NAVIEYES** –*Intelligent car navigation assistant for mobile devices based on eye gaze tracking and head pose*. Cod proiect: PN-II-PT-PCCA-2013-4-2023 - Nr contractului: 240/2014. – **Membru în echipă**
- 2014 - 2017 - **SPINE**– *Sistem de diagnosticare și terapie a afecțiunilor coloanei vertebrale*. Cod proiect: PN-II-PT-PCCA-2013-4-1596 - Nr contractului: 227/2014. **Membru în echipă**.
- 2014.07.01 - 2017.10.01 - **ROBOCORE** – *Robotic Assisted Prostate Biopsy, A High Accuracy Innovative Method*. Cod proiect: PN-II-PT-PCCA-2013-4-0647 - Nr. contract: 247/2014. – **Membru în echipă**.
- 2012 - 2016 - **CHANCE**– *Robotic assisted brachytherapy, an innovative approach of inoperable cancers*. Cod proiect: PN-II-PT-PCCA-2011-3.2-0414 - Nr. contract: 173/2012. – **Membru în echipă**.
- 2007 - 2010 - **TOMIS** - *Utilizarea realității virtuale în recOnstituirea Multimodală 3D a site-urilor Istorice*. PN Contract 11-041 / 14.09.2007. Buget UnitBv 257.757 RON.
- 2006 - 2008 - **TRIMA** – *Virtual Reality in Engineering, Medicine and Art. Interdisciplinary platform*. cod CNCSIS 80. Buget 2.973.922 RON.
- 2006 - 2008 - **MERVI** - *Mediu colaborativ de Realitate Virtuală pentru planificare preoperatorie în ortopedie*. Contract CEEEX nr. 114/2006. Buget UTBv 800.000 RON.
- 2003 - 2005 - **Expert Sistem for Mechanical Transmision with gear box** - C NCSIS tip A - 979/2005. Membru de bază al echipei de cercetare. 35.850 RON.

## PUBLICATIONS - CHAPTER IN BOOK

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### Publications - Chapter in book

- Runde C, Girbacia F., **Butila E.V.**, (2013) *Virtual and Augmented Environments for Concurrent Engineering: Concurrent Virtual Engineering*. isbn: 978-1-4471-4425-0, 2013, Springer, [http://link.springer.com/chapter/10.1007/978-1-4471-4426-7\\_72](http://link.springer.com/chapter/10.1007/978-1-4471-4426-7_72). pp 849-860
- Runde C, Girbacia F., **Butila E.**, (2012): „Virtual Reality in Fertigungsverfahren“, 9. Fachtagung "Digitales Engineering zum planen, testen und betreiben technischer systeme", Fraunhofer - Institut für Fabrikbetrieb und - automatisierung IFF, Magdeburg, Germnaia, 26-28 Iunie 2012, 15. IFF-

Wissenschaftstage, Publicat de Biblioteca Natională Germană, URN: urn: nbn: de: 0011-n-2061258, pp. 157-166.

- Mogan, Gh. L., **Butilă, E. V.** (2005) *Expert System for the Total Design of Mechanical Systems with Gears*. Product Engineering. isbn: 978-1-4020-2932-5, Springer, <http://link.springer.com/book/10.1007/1-4020-2933-0> pp 143-162