



Gicu Călin Deac

Data nașterii: 14/01/1970 | **Cetățenie:** română | **Gen:** Masculin

EXPERIENȚA PROFESIONALĂ

08/08/2003 – ÎN CURS – BUCUREȘTI, România

DIRECTOR IT – IMPRO MEDIA SRL

Producție multimedia și creație publicitară, identitate de brand, dezvoltarea de platforme web, dezvoltare și implementare soluții de streaming, producție video și grafică 3D, aplicații de realitate virtuală și augmentată.

<https://www.impromedia.ro>

2020 – ÎN CURS – RÄÄKKYLÄ, Finlanda

VP OF VR/AR ENGINEERING – FLYING IS HUMAN OY

Conduce și dezvoltă departamentul de inginerie VR/AR

<https://www.flyingishuman.eu/>

EDUCAȚIE ȘI FORMARE PROFESIONALĂ

1984 – 1988 – Baia Mare, România

LICEU – Liceul Industrial Minier

Domeniul (domeniile) de studiu

- Electrotehnica

1990 – 1995 – Str. Dr. Victor BABEȘ 62A, Baia Mare, România

FACULTATE – Facultatea de Inginerie - Centrul Universitar Nord

Domeniul (domeniile) de studiu

- Utilaj Tehnologic

Lucrarea de diplomă: Modernizarea construcției filtrului presă Ø 800 și proiectarea instalației electrohidraulice de acționare și comandă

<https://inginerie.utcluj.ro/>

2014 – 2016 – București, România

MASTER "COMUNICARE MANAGERIALĂ - TEHNICI DE INSTRUIRE ÎN MEDIUL VIRTUAL" – Universitatea Politehnică București, Facultatea de Inginerie Industrială și Robotică

Direcții de Instruire: Strategii de comunicare în mediul virtual, Platforme e-learning, Metodica predării în mediul virtual, Documente și tehnici grafice de instruire, Comportament organizațional în rețelele virtuale, Arhitecturi de calculatoare, Instruire prin rețele de socializare

Lucrarea de diplomă: Cercetări Teoretice și Experimentale Privind Dezvoltarea de Noi Dispozitive Utilizate în Aplicații de Realitate Virtuală și Augmentată

<https://www.imst.pub.ro/index.php/ro/>

Lucrarea de diplomă: Platformă de coordonare a fluxurilor materiale și informaționale în Industria 4.0

● **COMPETENȚE LINGVISTICE**

Limbă(i) maternă(e): **ROMÂNĂ**

Altă limbă (Alte limbi):

	COMPREHENSIUNE		VORBIT		SCRIS
	Comprehenșiune orală	Citit	Exprimare scrisă	Conversație	
ENGLEZĂ	C1	C1	C1	C1	C1
FRANCEZĂ	B2	B2	B1	B1	B1

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

● **COMPETENȚE DIGITALE**

Adobe Creative Cloud (Illustrator, InDesign, Photoshop, After Effects) (Avansat) | Adobe Premiere pro | Cinema 4D (nivel avansat) | 3D Max | Social Media | tehnologii web (html, css, javascript, node.js, json) | Unity | WebRTC | C# | MySQL | jQuery | video 360 panorame | Big Data Analysis | Inteligență Artificială | concepte și algoritmi de criptare și decriptare prin studiu individual | Algoritmi și Structuri de Date

● **PUBLICAȚII**

Vibration Anomaly detection using multivariate time series

2021

Deac, C.N., Deac, G.C., Parpala, R.C., Popa C.L, Popescu, C.A. 2021. Vibration Anomaly detection using multivariate time series, *International Conferences on 4th Space Launching and 16th Artificial Intelligence applied in the fields of Aerospace, Robotics, Manufacturing Systems, Mechanical, Engineering, Technology of Materials, Power Energy and Neurorehabilitation*

Virtual Reality Laboratory for distance learning

2021

Deac, G.C., Deac, C.N. and Nita, F.A. 2021. Virtual Reality Laboratory for distance learning, *International Conferences on 4th Space Launching and 16th Artificial Intelligence applied in the fields of Aerospace, Robotics, Manufacturing Systems, Mechanical, Engineering, Technology of Materials, Power Energy and Neurorehabilitation*

Vibration Anomaly Detection using Deep Neural Network and Convolutional Neural Network

2021

Deac C. N., Deac G.C., Parpală R. C., Popa C. L., and Coteț C. E., 2021, Vibration Anomaly Detection using Deep Neural Network and Convolutional Neural Network, *International Journal of Modeling and Optimization*, Vol. 11, No. 1, February 2021

The Importance of Virtual Immersion in the Rapid Prototyping of Industrial Products

2021

Ghinea M., Deac G.C., Deac C.N. and Nita F.A., 2021, The Importance of Virtual Immersion in the Rapid Prototyping of Industrial Products, published under licence by *IOP Publishing Ltd Journal of Physics: Conference Series*, Volume 1935, 5th Agria Conference on Innovative Vehicle Technologies and Automation Solutions InnoVeTAS 2021 13 May 2021, Eger, Hungary

DICOM 3D viewers, virtual reality or 3D printing – a pilot usability study for assessing the preference of orthopedic surgeons

2021

Popescu D., Marinescu R., Laptoiu D., Deac G. C., Cotet C.E., 2021, DICOM 3D viewers, virtual reality or 3D printing – a pilot usability study for assessing the preference of orthopedic surgeons, June 2021, *Proceedings of the Institution of Mechanical Engineers Part H Journal of Engineering in Medicine* DOI: 10.1177/09544119211020148

An Innovative Industry 4.0 Cloud Data Transfer Method for an Automated Waste Collection System

2020

Cotet C. E., G. C. Deac, C. N. Deac, C. L. Popa, 2020, An Innovative Industry 4.0 Cloud Data Transfer Method for an Automated Waste Collection System, *Sustainability* 2020, 12(5), 1839, <https://doi.org/10.3390/su12051839>

Implementation of a virtual reality collaborative platform for industry 4.0 offices

2020

Deac G. C., Georgescu C. N., Popa C. L., Coteș C. 2020, Implementation of a virtual reality collaborative platform for industry 4.0 offices, *Proceedings in Manufacturing Systems*, Bucharest Vol. 15, Iss. 3, (2020): 95-102.

Virtual Reality Digital Twin for a Smart Factory

2020

Deac G.C., Deac C.N., Cicerone L. P., and Cotet C. E., 2020, Virtual Reality Digital Twin for a Smart Factory, *International Journal of Modeling and Optimization*, Vol. 10, No. 6, December 2020

Computerized Maintenance Management System (CMMS) Iotia – Maintenance Platform Implementation for Industry 4.0

2020

Deac C. N., Deac G. C., Popa C. L., Coteș C. E., 2020, Computerized Maintenance Management System (CMMS) Iotia – Maintenance Platform Implementation for Industry 4.0 *Proceedings in Manufacturing Systems*, Bucharest Vol. 15, Iss. 3, (2020): 103-111.

Methods to identify time series abnormalities and predicting issues caused by component failures

2019

Deac C. N., Deac G. C., Chiscop F. and Popa C. L., 2019, Methods to identify time series abnormalities and predicting issues caused by component failures, *9th International Conference on Manufacturing Science and Education – MSE 2019 “Trends in New Industrial Revolution”* 21 August 2019

Video Working Instruction System

2019

Deac C. N., Deac G.C., Chiscop F., Popa C. L., Cotet C. E., 2019, Video Working Instruction System, *Proceedings in Manufacturing Systems*, Volume 14, Issue 2, 2019, 67-72 ISSN 2067-9238

Social Virtual Reality Collaborative Platform

2019

Deac G. C., Deac C. N., Coteș C. E., Mihalache G. 2019, Social Virtual Reality Collaborative Platform, *RST Journal Supplement 1/2019* ISSN-E 2344-007 / ISSN-L 2344-0007

New Method for Sending Data to the Cloud From An Opc-Ua Client Application

2019

Deac G. C., Georgescu C. N., C. L. Popa, C.E. COTET, Chiscop F. 2019, New Method for Sending Data to the Cloud From An Opc-Ua Client Application, ISSN 2343-7472, <http://icmas.eu>, Vol.14, Issue 1, 2019

Virtual Reality Broadcasting Studio

2018

Deac C.N. Deac G.C., Cotet C.E., Ghinea M., 2018, Virtual Reality Broadcasting Studio, *29th Daaam International Symposium On Intelligent Manufacturing And Automation*, DOI: 10.2507/ 29th.daaam.proceedings.

Virtual Reality Exhibition Platform

2018

Deac G. C., Georgescu C. N., Popa C. L., Ghinea M. & Cotet C. E. (2018). Virtual Reality Exhibition Platform, *Proceedings of the 29th DAAAM International Symposium*, pp.0232-0236, B. Katalinic (Ed.), Published by DAAAM International, ISBN 978-3-902734-20-4, ISSN 1726-9679, Vienna, Austria DOI: 10.2507/29th.daaam.proceedings.033

Machine Vision In Manufacturing Processes And The Digital Twin Of Manufacturing Architectures

2017

Deac G. C., Deac C. N., Popa C. L., Ghinea M. & Cotet C. E., 2017, Machine Vision In Manufacturing Processes And The Digital Twin Of Manufacturing Architectures, *28th Daaam International Symposium On Intelligent Manufacturing And Automation* DOI: 10.2507/28th.daaam.proceedings.103

Self-Learning Improvement By Means Of Cloud Computing

2017

Deac C.N., Deac G. C., Cotet C. E., Ghinea M., 2017, Self-Learning Improvement By Means Of Cloud Computing, *ICESBA, Procedia of Economics and Business Administration*, ISSN: 2392-8174, ISSN-L:2392-8166, <https://doi.org/10.26458/v4.i1.11>

Using Augmented Reality In Smart Manufacturing

2017

Deac C. N., Deac G. C., Popa C. L., Ghinea M., Cotet C. E., 2017, Using Augmented Reality In Smart Manufacturing, *28th Daaam International Symposium On Intelligent Manufacturing And Automation*, DOI: 10.2507/28th.Daaam.Proceedings.102

Development and Implementation Of Software Solutions For Weee Identification

2017

Deac G.C., Popa C. L., Ghinea M., Cotet C. E., Carutasu N. 2017, Development and Implementation Of Software Solutions For Weee Identification, Weighing And Sorting, *MIT Sinaia Conference, Research and Science Today Supplement No.2/2017*

Training Application for Industries by Means of Virtual Reality Technology

2017

Ghinea M., Deac G.C., Deac C. N., 2017, Training Application for Industries by Means of Virtual Reality Technology, *Wseas Transactions On Computer Research*, Print ISSN: 1991-8755

Developing e-learning platforms through integration of 3D virtual immersion into user's world - a new concept

2016

Ghinea M., Deac G. C., Deac C. N., 2016, Developing e-learning platforms through integration of 3D virtual immersion into user's world - a new concept, *Proceedings of the International Conference on Augmented Reality for Technical Entrepreneurs*, ARTE 2016, pg. 73, ISBN 978-606-23-0563-5, Bucharest

A New Approach of The Immersive E-Learning Platforms

2015

Deac G. C., Deac C. N., Cotet C. E., Ghinea M., 2015, TIMV-PLUS, A New Approach of The Immersive E-Learning Platforms, ICESBA, *Procedia Of Economics And Business Administration*, ISSN: 2392-8174, ISSN-L: 2392-8166, <https://doi.org/10.26458/v4.i1.12>

Theory and concept of e-learning platforms

2015

Ghinea M., Deac G. C., Deac C. N., 2015, *Theory and concept of e-learning platforms*, ISBN 978-606-610-162-2, Publisher BREN, Bucharest

Developing e-learning platforms

2015

Ghinea M., Deac G.C., Deac C. N., 2015, *Developing e-learning platforms*, ISBN 978-606-610-163-9, Publisher BREN, Bucharest