



Christian-Daniel Curiac

✉ Email: christian.curiac@cs.upt.ro

WORK EXPERIENCE

IT Security Consultant

msg systems ag [01.10.2021 – Current]

City: Ismaning / München | Country: Germany

EDUCATION AND TRAINING

Doctoral Studies (Dr.)

Universitatea Politehnica Timișoara (UPT) [01.10.2021 – Current]

City: Timișoara | Country: Romania | Field(s) of study: Computer and Information Technology | Thesis: Multi-Recommend Framework to Aid Identifying and Addressing Research Themes Using Bibliographic Metadata and AI

Master's Degree (M.Sc.)

Technische Universität München (TUM) [30.09.2019 – 16.06.2021]

City: München | Country: Germany | Field(s) of study: Elektrotechnik und Informationstechnik ; Automation and Robotics | Final grade: passed with distinction | Thesis: Automated Recommender System to Aid Framing High Impact Research Themes in Electronic Design Automation

- Master's Thesis (carried out externally) under supervision by Prof. Alex Doboli, Ph.D., State University of New York at Stony Brook, NY, USA; TUM-examiner: Prof. Dr.-Ing. Helmut Gräb, Chair for Electronic Design Automation

Bachelor's Degree (B.Sc.)

Technische Universität München (TUM) [30.09.2016 – 12.06.2019]

City: München | Country: Germany | Field(s) of study: Elektrotechnik und Informationstechnik | Final grade: passed with merit | Thesis: Simulation and Analysis of the Adaptive Mixed Volterra Filter for System Identification

- Bachelor's Thesis at the Chair for Media Technology, Supervisor: M.Sc. Andreas Noll, Examiner: Prof. Dr.-Ing. Eckehard Steinbach

High School

"Nikolaus Lenau" Lyzeum [16.09.2012 – 23.06.2016]

City: Timișoara | Country: Romania | Field(s) of study: Mathematics-Informatics

- German department class, mathematics-informatics profile
 - Double degree:
 - Allgemeine Hochschulreife - final grade: 1.0
 - Romanian Bacalaureat - final grade: 10.00

HONOURS AND AWARDS

[30.06.2016] Administrația Prezidențială, Romanian President, H.E. Mr. Klaus Werner Iohannis

Merit diploma for exceptional results in high school graduation - Abitur

[13.12.2015] Mayor's Office of the Timișoara Municipality, Mayor Prof. Dr. Nicolae Robu

Merit Diploma for Outstanding Learning Outcomes

LANGUAGE SKILLS

Mother tongue(s): Romanian, German

Other language(s):

English

LISTENING C2 READING C2 WRITING C2
SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Spanish

LISTENING A2 READING B1 WRITING A2
SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

Croatian

LISTENING A2 READING A2 WRITING A1
SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

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

French

LISTENING B2 READING C1 WRITING C1
SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Italian

LISTENING A2 READING A2 WRITING A1
SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

DIGITAL SKILLS

C C++ / Python / MATLAB Simulink / Vector CANoe / SQL / HTML / LaTeX

SCHOLARSHIPS

[30.09.2019 – 29.09.2021]

DAAD scholarship during the Master's studies

Scholarship from the DAAD (German Academic Exchange Service) in the program German Schools Abroad 2016 (2 years) in the Master's degree at the Faculty of Electrical Engineering and Information Technology at the Technische Universität München

[30.09.2016 – 29.09.2019]

DAAD scholarship during the Bachelor's studies

Scholarship from the DAAD (German Academic Exchange Service) in the program German Schools Abroad 2016 (3 years) in the Bachelor's degree at the Faculty of Electrical Engineering and Information Technology at the Technische Universität München

INTERNSHIPS

[26.02.2020 – 03.05.2020]

Research Internship

Research internship during the Master's studies at TUM carried out externally at the Polytechnic University of Timișoara (UPT), Timișoara, Romania under the double supervision by Prof. Dr.-Ing. Bogdan Groza (Department of Automation Technology and Applied Computer Science, UPT) and Prof. Dr.-Ing. Georg Sigl (Chair for Information Security, TUM), full-time - domain: information security for the automotive industry

- Research internship report: ***An Intrusion Detection System for In-Vehicle CAN Bus Based on Machine Learning Techniques***

PUBLICATIONS

Publications

- **Curiac, C.-D.**, & Micea, M. V. (2023). Identifying Hot Information Security Topics Using LDA and Multivariate Mann-Kendall Test. *IEEE Access*, 11, 18374-18384, doi: 10.1109/ACCESS.2023.3247588.
- **Curiac, C.-D.**, Micea, M., Plosca, T. R., Curiac, D. I., & Doboli, A. (2024). Dataset for Bibliometric Data-Driven Research Team Formation: Case of Politehnica University of Timisoara scholars for the interval 2010-2022. *Data in Brief*, 110275, doi: 10.1016/j.dib.2024.110275.
- **Curiac, C.-D.**, & Doboli, A. (2022). Combining informetrics and trend analysis to understand past and current directions in electronic design automation. *Scientometrics*, 127(10), 5661-5689, doi: 10.1007/s11192-022-04481-9.
- **Curiac, C.-D.**, Bantias, O. & Micea, M. (2022). Evaluating Research Trends from Journal Paper Metadata, Considering the Research Publication Latency. *Mathematics* 2022, 10, 233, doi: 10.3390/math10020233.
- **Curiac, C.-D.**, Doboli, A., & Curiac, D. I. (2022). Co-occurrence-based double thresholding method for research topic identification. *Mathematics*, 10(17), 3115, doi: 10.3390/math10173115.
- Noll, A., **Curiac, C.-D.**, Guelecycuez, B. & Steinbach, E. (2020). Adaptive Equalization of Vibrotactile Actuators. *IEEE Transactions on Haptics*, doi: 10.1109/TOH.2020.3032852.
- Curiac, D. I., Bantias, O., Volosencu, C. & **Curiac, C.-D.** (2018). Novel Bioinspired Approach Based on Chaotic Dynamics for Robot Patrolling Missions with Adversaries. *Entropy*, 20(5), 378.
- Marica, V., **Curiac, C.-D.**, Quentel, P. Y. M., Stangaciu, C. S. & Micea, M. V. (2019, October). Static Coverage Path Planning for UAVs with Conical Field of View When Monitoring Rectangular Ground Areas. In *2019 23rd International Conference on System Theory, Control and Computing (ICSTCC)* (pp. 510-514). IEEE.

PROJECTS

Projects

- International project "SchulBrücke Europe - The Future of Nations in a United Europe" in Weimar, Germany, 9.-17. October 2014
- International project "eljub literature youth encounters" in Krems an der Donau, Austria, 4.-11. July 2015

DRIVING LICENCE

Driving Licence: B

PROFESSIONAL INTERESTS

Professional Interests

machine learning, cybersecurity, artificial intelligence, automotive, signal processing

PERSONAL INTERESTS

Personal Interests

sports, rock music, numismatics