

Robert Alphas  
Associate Professor  
Department of Business Development and Technology  
**Type of address: Postal address.**  
Birk Centerpark 15  
8001, 1111  
7400  
Herning  
Denmark  
**Email:** roal@btech.au.dk  
**Mobile:** +4593508909



## Education

2015-2016  
M.Sc. in Engineering  
Aarhus University  
Herning, Denmark

2010-2013  
B.E.Eng. in Electronic Design Engineering  
Aarhus University  
Herning, Denmark

1996-1999  
B.Ph in Philosophy  
Urbania University  
Rome, Italy

## Research area

- Machine / Deep Learning Technologies
- Control Systems: Adaptive & Conventional

## Teaching experience

PhD course- Introduction to Research Methods for Business and Technology- Alternative quantitative research strategies- Aarhus University

Machine/Deep learning- Elective course, Master program,, Aarhus University

Optimisation - Master program, Aarhus University

Mathematics - GMM, B.Sc, BDE & HA Aarhus University

Project Supervision - Master and Bachelor students, Aarhus University

## Work Experience

### Employment

**Associate Professor**  
Department of Business Development and Technology  
Aarhus University  
Herning, Denmark  
1 Oct 2020 → present

2020-present	Associate professor, Aarhus University, Herning, Denmark
2017 - 2020	Assistant professor, Aarhus University, Herning, Denmark
2017	Assistant Professor, Viborg-Highschool (HTX & EUX), Mercantec, Viborg, Denmark
2014	Systems Level Control Engineer, Siemens Wind Power, Brande, Denmark

## Research output

### **Generative AI Learning Environment for Non-Computer Science Engineering Students: Coding Versus Generative AI Prompting**

Alphinas, R. & Tambo, T., 6 Dec 2024, *Proceedings of the 4th International Conference on AI Research, ICAIR 2024*. Goncalves, C. & Rouco, J. C. D. (eds.). Reading: Academic Conferences International Limited, p. 20-29 10 p. (Proceedings of the 4th International Conference on AI Research, ICAIR 2024; No. 1, Vol. 4).

### **Collaborative filtering, K-nearest neighbor and cosine similarity in home decor recommender systems**

Munkholm, N. B., Alphinas, R. & Tambo, T., 9 Feb 2024. 8 p.

### **Predicting the Remaining Useful Life of a Turbofan Engine using LSTM and Manhattan Distances**

Alphinas, R. & Bertelsen, M. B., Sept 2023, *2023 3rd International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME)*. IEEE, 7 p.

### **Outperforming Clinical Practices in Breast Cancer Detection: A Superior Dense Neural Network in Classification and False Negative Reduction**

Bujok, P., Jensen, M., Larsen, S. M. & Alphinas, R., Dec 2021. 6 p.

### **A Tool Tuning Approximation method: Exploration of the System Dynamics and its impact on Milling Stability when Amending Tool Stickout**

Bertelsen, N., Alphinas, R. A. & Ørskov, K. B. (Member of author collaboration), 14 Apr 2021. 13 p.

### **Predicting the Product Life Cycle of Songs on the Radio: How Record Labels Can Manage Product Portfolios and Prioritise Artists by Using Machine Learning Techniques**

Grooss, O. F., Holm, C. N. & Alphinas, R. A., 2021, *Intelligent Computing - Proceedings of the 2021 Computing Conference*. Springer, p. 463-472 10 p. (Lecture Notes in Networks and Systems; No. 284).

### **Comparison of Conventional Closed-Loop Controller with an Adaptive Controller for a Disturbed Thermodynamic System**

Alphinas, R. A., Hansen, H. H. & Tambo, T., 21 Jun 2017, *2017 Evolving and Adaptive Intelligent Systems, EAIS 2017 - Conference Proceedings*. IEEE, Vol. 10. p. 1-7 7 p. 7954841. (EVOLVING AND ADAPTIVE INTELLIGENT SYSTEMS. 2017. (EAIS 2017), Vol. 1).