



Dr Tim Kovacs
B.A.(Car.)

Honorary Senior Lecturer

Merchant Venturers Building,
Woodland Road, Clifton BS8 1UB
([See a map](#))

tim.kovacs@bristol.ac.uk

Summary

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Keywords

- Machine Learning
- Artificial Intelligence
- Reinforcement Learning
- Evolutionary Computation
- Social Insect Behaviour

Memberships

Organisations

[Department of Computer Science](#)

[Department of Electrical & Electronic Engineering](#)

[Department of Engineering Mathematics](#)

[Merchant Venturers' School of Engineering](#)

Recent publications

- Matsumoto, K, Sato, H, Takano, R, Kovacs, TMD, Tatsumi, T & Takadama, K, 2018, '[XCSR based on compressed input by deep neural network for high dimensional data](#)'. in: *GECCO'18: 2018 Genetic and Evolutionary Computation Conference Companion*. Association for Computing Machinery (ACM), pp. 1418-1425
- Uwano, F, Takadama, K, Dobashi, K & Kovacs, T, 2018, '[Generalizing rules by random forest-based learning classifier systems for high-dimensional data mining](#)'. in: *GECCO '18: Proceedings of the Genetic and Evolutionary Computation Conference Companion*. Association for Computing Machinery (ACM), pp. 1465-1472
- Zhang, C, Tatsumi, T, Sato, H, Kovacs, T & Takadama, K, 2018, '[Classifier generalization for comprehensive classifiers subsumption in XCS](#)'. in: *GECCO '18: Proceedings of the Genetic and Evolutionary Computation Conference Companion*. Association for Computing Machinery (ACM), pp. 1854-1861
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- Edakunni, N, Brown, G & Kovacs, T, 2011, '[Boosting as a Product of Experts](#)'. in: *Uncertainty in Artificial Intelligence*. Association for Uncertainty in Artificial Intelligence Press
- Kovacs, T, Narayanan, E & Gavin, B, 2011, '[Accuracy Exponentiation in UCS and its Effect on Voting Margins](#)'. in: Natalio Krasnogor, Pier Luca Lanzi (eds) *The 2011 Conference on Genetic and Evolutionary Computation*. Association for Computing Machinery (ACM), pp. 1243 - 1250
- Kovacs, T & Egginton, R, 2011, '[On the analysis and design of software for reinforcement learning, with a survey of existing systems](#)'. *Machine Learning*, vol 1-2., pp. 7 - 49

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