

Marc Conrad's publications, as of May 2009.

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Papers:

1. Conrad, M., French, T., Maple, C., Huchard, M., Pott, S., *Enriching the Object-Oriented Paradigm via Shadows in the Context of Mathematics*, Journal of Object Technology, 5(6):107–126, July-August 2006.
2. Conrad, M., French, T., Maple, C., Zhang, S., *Cultural Diversity in E-Mediated Student IT-Projects*, Interactive Technology and Smart Education (ITSE), Vol. 3, Issue 3, 2006.
3. Conrad, M., French, T. (2004) *Exploring the synergies between the object-oriented paradigm and mathematics: a java led approach*, International Journal of Mathematical Education in Science and Technology', Vol 35, No.5,733-742.
4. Conrad, M., Replogle D. (2003), *Nontrivial Galois Module Structure of Cyclotomic Fields* Mathematics of Computation 72, 891--899.
5. Conrad, M. (2000), *Construction of Bases for the Group of Cyclotomic Units*, Journal of Number Theory 81, 1-15
6. Conrad, M. (2000), *On explicit Relations between Cyclotomic Numbers*, Acta Arithmetica XCIII.1, 67-76
7. Conrad, M. (2000) *About the Kernel of the Augmentation of finitely generated Z-modules*, Mathematical Communications 5, 61-66

Conference Papers:

1. **2009** *Teaching Large Student Cohorts in Second Life*, Conrad, M., Pike, D., Sant, P., Nwafor, C. In: International Conference on Computer Supported Education CSEDU 2009, Lisboa, Portugal.
2. **2009** *Development Of A Customer Satisfaction Model For Enabling E-Collaboration In Second Life*; Shukla, M., Bessis, N., Conrad, M., Glapworthy, G. In: IADIS Web Based Communities 2009, Algarve, Portugal.
3. **2009** *A Mathematical Analysis for a Data-Grid Push Service for Disaster Management Response Scenarios*; Bessis, N., Asimakopoulo., Conrad, M. In: ICC 2009, Fullerton, California, USA.
4. **2009** *HybridPass: Authentication Mechanism for Web Applications – Both Secure and User-Friendly*; Al-Khateeb, H., Maple, C., Conrad, M., In: IADIS International Conference e-Society 2009, Barcelona, Spain.
5. **2008** *Predicting Group Size in Second Life*; Shukla, M., Bessis, N., Conrad, M., Clapworthy, G., and Yue, Y. (2008). IADIS Web Based Communities 2008, Amsterdam, Netherlands.
6. **2008** *Integrating Shadows in Model Driven Engineering for Agile Software Development*, M Conrad, M Huchard, Th. Preuss, In: Proceedings of the Second Workshop on Engineering Complex Distributed Systems (ECDS 2008) in conjunction with International Conference on Complex, Intelligent, and Software Intensive Systems (CISIS 2008), IEEE Computer Society, Barcelona, Spain
7. **2007** *Enhancing the UML with Shadows for Agile Development*, Conrad, M., Huchard, M., Short paper in Proceedings of Software Engineering 2007, GI-Edition Lecture Notes in Informatics Vol. 105, pp 249-250.
8. **2007** *Multimedia Support for Highend PDAs*, Lehmann, M., Preuss, T., Rambow, M., Conrad, M. In: Proceedings of the IS&T/SPIE Electronic Imaging Symposium, San Jose, 2007.
9. **2006** *A Pragmatic and Musically Pleasing Production System for Sonic Events*, Conrad, M., French, T., Gibson, M. In: 10th International Conference on Information Visualisation (IV06), London.
10. **2006** *A lightweight model of trust propagation in a Multi-Client Network Environment. To what extent does Experience matter?*, Conrad, M., French, T., Huang, W., Maple, C., In: 1st International Conference on Availability, Reliability and Security (ARES), Vienna.
11. **2005** *A gentle transition from Java programming to Web Services using XML-RPC*, Conrad, M., and French, T., JICC9 'Java in the Computing Curricula Conference, London Metropolitan University.
12. **2005** *Preparing Computing Students for Culturally diverse E-mediated IT-Projects*, Conrad, M., French, T., Maple, C., Zhang, S., Procs. IADIS International Conference e-Society 2005, 93-100, 972-8939-03-5

13. **2004** *Object shadowing – a key concept for a modern programming language*, Conrad, M., French, T, Maple, C., ‘2nd Workshop on Object-Oriented Language Engineering for the Post-Java Era : Back to Dynamicity’ at ECOOP, July 2004, 18th European Conference on Object-Oriented Programming.
14. **2004** *Mathematical use cases lead naturally to Non-Standard Inheritance Relationships*, Conrad, M., French, T., Maple, C., Pott, S., Proc. of MASPEGHI (Mechanisms for Specialisation, Inheritance and Generalisation) Workshop at ECOOP 2004, 18th European Conference on Object-Oriented Programming.
15. **2004** *Towards More Trustworthy B2C E-commerce Using a Hybrid Authentication Scheme*, Maple, C., Conrad, M., French, T., Full paper Procs., IADIS International eSociety 2004 Conference, July 2004 Vol. 1, p 134-141, Avila, Portugal. ISBN 972-98947-5-2.
16. **2003** *A Visual Formalism for Graphical User Interfaces based on State Transition Diagrams*, French, T.,Maple, C.,Conrad, M., Procs. 7th IEEE Int. Conference on Visualisation, London.
17. **2003** *A novel flexible approach to document encryption using an MathML extension to the W3C XML Digital Certificate Standard*, Maple, C., Conrad, M., French, T., Procs. IADIS Conference eSociety 2003, Lisbon, Portugal.