**SOFTWARE ENGINEERING**

**Enabling reuse-based software development of large-scale systems**

**System I:**

1. Information and Software Technology 1
2. Journal of Systems and Software 2
3. Science of Computer Programming 1
4. Future Generation Computer Systems 2
5. [Computer Networks 2](http://www.elsevier.com/locate/issn/13891286)
6. Journal of Network and Computer Applications 1
7. Computer Communications 2
8. Engineering Applications of Artificial Intelligence 1
9. Computer Languages, Systems and Structures 2

**System II:**

1. Automated Software Engineering 2
2. Journal of the Brazilian Computer Society 1
3. International Journal on Software Tools for Technology Transfer 1
4. Software Quality Journal 2
5. Journal of Software Engineering Research and Development
6. Computing 2
7. Empirical Software Engineering 0
8. Service Oriented Computing and Applications 2
9. International Journal of Information Technology 1
10. Requirements Engineering 0
11. Artificial Intelligence ReviewSoftware & Systems Modeling 1
12. Frontiers of Computer Science 0
13. Innovations in Systems and Software Engineering 2
14. International Journal of Educational Technology in Higher Education 1
15. Acta Informatica 0
16. Journal of Intelligent Information Systems 2
17. CSI Transactions on ICT 2
18. Natural Computing 2
19. Genetic Programming and Evolvable Machines 2

**The impact of UML documentation on software maintenance: an experimental evaluation**

**System I:**

1. Information and Software Technology 1
2. Journal of Systems and Software 2
3. Computer Standards & Interfaces 0
4. Science of Computer Programming 2
5. Computers in Industry 1
6. Engineering Applications of Artificial Intelligence 1
7. Simulation Modelling Practice and Theory 1
8. Computer Languages, Systems and Structures 2
9. Journal of King Saud University - Computer and Information Sciences 2
10. Journal of Visual Languages and Computing 1

**System II:**

1. Empirical Software Engineering 1
2. Software Quality Journal 2
3. Innovations in Systems and Software Engineering 2
4. Software & Systems Modeling 2
5. Education and Information Technologies 1
6. Requirements Engineering 2
7. Computing 2
8. Network Modeling Analysis in Health Informatics and Bioinformatics 1
9. Real-Time Systems 0
10. Journal of Computer Virology and Hacking Techniques 1
11. Automated Software Engineering 2
12. Frontiers of Information Technology & Electronic Engineering 2
13. International Journal on Software Tools for Technology Transfer 2
14. International Journal of Information Technology 2
15. Computer Supported Cooperative Work (CSCW) 2
16. Cognition, Technology & Work 2
17. Journal on Data Semantics 1
18. Frontiers of Computer Science 0
19. Computer Science - Research and Development 2
20. Journal of the Brazilian Computer Society 1

# **An Empirical Study of Software Reuse with Special Attention to Ada**

**System I:**

1. Information and Software Technology
2. Journal of Systems and Software
3. Computers in Industry
4. Computers & Security
5. Procedia Manufacturing
6. Robotics and Computer-Integrated Manufacturing
7. Integration, the VLSI Journal
8. Physical Communication
9. Computer Languages, Systems and Structures
10. Journal of Web Semantics

**System II:**

1. Automated Software Engineering
2. Empirical Software Engineering
3. Service Oriented Computing and Applications
4. Requirements Engineering
5. Software Quality Journal
6. Journal of Grid Computing
7. Journal of the Brazilian Computer Society
8. Journal of Software Engineering Research and Development
9. Artificial Intelligence and Law
10. Journal of Intelligent Information Systems
11. International Journal on Software Tools for Technology Transfer
12. Journal of Computer Science and Technology
13. Computer Supported Cooperative Work (CSCW)
14. Innovations in Systems and Software Engineering
15. Software & Systems Modeling
16. International Journal of Parallel Programming
17. Progress in Artificial Intelligence
18. Journal of Real-Time Image Processing
19. International Journal of Information Technology

# **Automatic detection and diagnosis of faults in generated code for procedure calls**

**System I:**

1. Journal of Systems and Software
2. Science of Computer Programming
3. Information and Software Technology
4. Parallel Computing
5. Electronic Notes in Theoretical Computer Science
6. Journal of Systems Architecture
7. Computer Languages, Systems and Structures
8. Advances in Engineering Software
9. Procedia Computer Science

**System II:**

1. International Journal of Information Security
2. The Journal of Supercomputing
3. International Journal of Parallel Programming
4. Automated Software Engineering
5. Journal of Automated Reasoning
6. Computing
7. New Generation Computing
8. Journal of Cloud Computing
9. Journal of Real-Time Image Processing
10. Real-Time Systems
11. Innovations in Systems and Software Engineering
12. Computer Science - Research and Development
13. International Journal on Software Tools for Technology Transfer
14. Cluster Computing
15. Acta Informatica
16. Software & Systems Modeling
17. Empirical Software Engineering
18. Journal of Computer Virology and Hacking Techniques
19. Journal of Cryptology
20. Software Quality Journal

# **An empirical validation of object-oriented metrics in two different iterative software processes**

**System I:**

1. Information and Software Technology
2. Journal of Systems and Software
3. Computer Standards & Interfaces
4. Ad Hoc Networks
5. Computers & Electrical Engineering
6. Journal of Network and Computer Applications
7. Physical Communication
8. AEÜ - International Journal of Electronics and Communications
9. The Journal of China Universities of Posts and Telecommunications
10. Computers & Structures

**System II:**

1. Innovations in Systems and Software Engineering
2. Software & Systems Modeling
3. Empirical Software Engineering
4. Service Oriented Computing and Applications
5. Artificial Intelligence Review
6. Computing
7. Requirements Engineering
8. Journal of Software Engineering Research and Development
9. CSI Transactions on ICT
10. Journal of the Brazilian Computer Society
11. The Computer Games Journal
12. Automated Software Engineering
13. Software Quality Journal
14. International Journal on Software Tools for Technology Transfer
15. KI - Künstliche Intelligenz
16. International Journal of Parallel Programming
17. Cluster Computing
18. International Journal of Information Technology
19. Personal and Ubiquitous Computing
20. Engineering with Computers

**PARALLEL AND DISTRIBUTED SYSTEMS**

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# **Middleware Infrastructure for Parallel and Distributed Programming Models in Heterogeneous Systems**

**System I:**

1. Parallel Computing
2. Journal of Parallel and Distributed Computing
3. Journal of Systems Architecture
4. Future Generation Computer Systems
5. Journal of Systems and Software
6. Simulation Modelling Practice and Theory
7. Computers in Industry
8. Computers & Security
9. Journal of Computational Science
10. Procedia Computer Science

**System II:**

1. Computing
2. Vietnam Journal of Computer Science
3. Journal of Grid Computing
4. Autonomous Agents and Multi-Agent Systems
5. Journal of Internet Services and Applications
6. Software & Systems Modeling
7. Service Oriented Computing and Applications
8. Journal of Cloud Computing
9. Journal of the Brazilian Computer Society
10. CSI Transactions on ICT
11. The Journal of Supercomputing
12. International Journal of Parallel Programming
13. Frontiers of Computer Science
14. New Generation Computing
15. Computer Science - Research and Development
16. Innovations in Systems and Software Engineering
17. Automated Software Engineering
18. Knowledge and Information Systems
19. Journal of Network and Systems Management
20. Data Science and Engineering

# **Scalable Distributed Communication Architectures to Support Advanced Metering Infrastructure in Smart Grid**

**System I:**

1. Computer Communications
2. Computer Networks
3. Microprocessors and Microsystems
4. Ad Hoc Networks
5. Journal of Network and Computer Applications
6. Pervasive and Mobile Computing
7. Future Generation Computer Systems
8. Journal of Systems Architecture
9. Sustainable Energy, Grids and Networks

**System II:**

1. Journal of Network and Systems Management
2. CSI Transactions on ICT
3. Computing
4. Computer Science - Research and Development
5. Journal of Big Data
6. International Journal of Information Security
7. Service Oriented Computing and Applications
8. Photonic Network Communications
9. Innovations in Systems and Software Engineering
10. Personal and Ubiquitous Computing
11. World Wide Web
12. Cluster Computing
13. Journal of Reliable Intelligent Environments
14. Journal of Real-Time Image Processing
15. International Journal of Information Technology
16. The Journal of Supercomputing
17. Engineering with Computers
18. Pattern Analysis and Applications
19. Multimedia Tools and Applications
20. Education and Information Technologies

# **An improved duplication strategy for scheduling precedence constrained graphs in multiprocessor systems**

**System I:**

1. Journal of Systems Architecture
2. Journal of Parallel and Distributed Computing
3. Theoretical Computer Science
4. Journal of Computer and System Sciences
5. Computers & Operations Research
6. Ad Hoc Networks
7. Information Sciences
8. Journal of Systems and Software
9. Performance Evaluation
10. Simulation Modelling Practice and Theory

**System II:**

1. The Journal of Supercomputing
2. Journal of Grid Computing
3. Engineering with Computers
4. Computing
5. International Journal of Parallel Programming
6. Frontiers of Information Technology & Electronic Engineering
7. Real-Time Systems
8. World Wide Web
9. Journal of Computer Science and Technology
10. Knowledge and Information Systems
11. Data Science and Engineering
12. Journal of Network and Systems Management
13. Cluster Computing
14. International Journal on Software Tools for Technology Transfer
15. Social Network Analysis and Mining
16. Distributed and Parallel Databases
17. Theory of Computing Systems
18. Distributed Computing
19. International Journal of Data Science and Analytics
20. Constraints

**Configurable Middleware for Distributed Real-Time Systems with Aperiodic and Periodic Tasks**

**System I:**

1. Journal of Systems Architecture
2. Journal of Systems and Software
3. Science of Computer Programming
4. Future Generation Computer Systems
5. Journal of Parallel and Distributed Computing
6. Microprocessors and Microsystems
7. Computer Standards & Interfaces
8. Simulation Modelling Practice and Theory
9. Computer Communications
10. Integration, the VLSI Journal

**System II:**

1. Real-Time Systems
2. Frontiers of Information Technology & Electronic Engineering
3. Genetic Programming and Evolvable Machines
4. Innovations in Systems and Software Engineering
5. International Journal on Software Tools for Technology Transfer
6. Autonomous Agents and Multi-Agent Systems
7. Journal of Internet Services and Applications
8. Automated Software Engineering
9. Journal of the Brazilian Computer Society
10. International Journal on Digital Libraries
11. Service Oriented Computing and Applications
12. Pattern Analysis and Applications
13. Computer Science - Research and Development
14. Journal of Cloud Computing
15. World Wide Web
16. Computing
17. Distributed Computing
18. Vietnam Journal of Computer Science
19. Journal of Network and Systems Management
20. Journal of Real-Time Image Processing

**Secure Collaboration in a Mediator-Free Distributed Environment**

**System I:**

1. Computers & Security
2. Digital Investigation
3. Future Generation Computer Systems
4. Journal of Network and Computer Applications
5. Journal of Information Security and Applications
6. Building and Environment
7. Engineering Applications of Artificial Intelligence
8. Journal of Systems Architecture

**System II:**

1. International Journal of Information Security
2. World Wide Web
3. Service Oriented Computing and Applications
4. Journal of Grid Computing
5. Journal of Network and Systems Management
6. Journal of Cloud Computing
7. Journal of Internet Services and Applications
8. Personal and Ubiquitous Computing
9. CSI Transactions on ICT
10. Social Network Analysis and Mining
11. Software & Systems Modeling
12. International Journal on Digital Libraries
13. Cluster Computing
14. Distributed and Parallel Databases
15. Journal of Healthcare Informatics Research
16. Journal of Computer Virology and Hacking Techniques
17. International Journal of Parallel Programming
18. Computing
19. Journal of Big Data
20. Journal of Reliable Intelligent Environments

**MULTIMEDIA**

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# **Robust Audio-Visual Speech Recognition Based on Late Integration**

**System I:**

1. Speech Communication
2. Computer Speech and Language
3. Digital Signal Processing
4. Neural Networks
5. Pattern Recognition Letters
6. Engineering Applications of Artificial Intelligence
7. Neurocomputing
8. Pattern Recognition
9. Signal Processing
10. Computers & Electrical Engineering

**System II:**

1. Journal of Intelligent Information Systems
2. Multimedia Systems
3. CSI Transactions on ICT
4. Journal on Multimodal User Interfaces
5. Multimedia Tools and Applications
6. Science China Information Sciences
7. Vietnam Journal of Computer Science
8. KI - Künstliche Intelligenz
9. Neural Computing and Applications
10. AI & SOCIETY
11. Personal and Ubiquitous Computing
12. Applied Intelligence
13. Frontiers of Computer Science
14. International Journal on Document Analysis and Recognition (IJDAR)
15. Machine Translation
16. Pattern Analysis and Applications
17. Artificial Intelligence Review
18. International Journal of Multimedia Information Retrieval
19. Journal of the Brazilian Computer Society
20. Virtual Reality

# **Graph-Based Multiplayer Detection and Tracking in Broadcast Soccer Videos**

**System I:**

1. Pattern Recognition Letters
2. Image and Vision Computing
3. Journal of Visual Communication and Image Representation
4. Automation in Construction
5. Neurocomputing
6. Neural Networks
7. Pattern Recognition
8. Computer Vision and Image Understanding
9. Computerized Medical Imaging and Graphics
10. Computers & Operations Research

**System II:**

1. Multimedia Tools and Applications
2. Multimedia Systems
3. Pattern Analysis and Applications
4. Journal of Real-Time Image Processing
5. Artificial Intelligence Review
6. Machine Vision and Applications
7. Artificial Life and Robotics
8. Computational Visual Media
9. Data Mining and Knowledge Discovery
10. Human-centric Computing and Information Sciences
11. Neural Computing and Applications
12. The Visual Computer
13. Applied Intelligence
14. CSI Transactions on ICT
15. International Journal of Computer Vision
16. Machine Learning
17. The Computer Games Journal
18. Frontiers of Computer Science
19. Distributed Computing
20. Journal of Computer Science and Technology

# **Color-Based Image Salient Region Segmentation Using Novel Region Merging Strategy**

**System I:**

1. Computer Vision and Image Understanding
2. Pattern Recognition
3. Signal Processing: Image Communication
4. Image and Vision Computing
5. Journal of Visual Communication and Image Representation
6. Computerized Medical Imaging and Graphics
7. Neurocomputing
8. Pattern Recognition Letters
9. Medical Image Analysis
10. Engineering Applications of Artificial Intelligence

**System II:**

1. Applied Informatics
2. Applied Intelligence
3. The Visual Computer
4. Multimedia Tools and Applications
5. Vietnam Journal of Computer Science
6. Machine Vision and Applications
7. International Journal of Computer Vision
8. Multimedia Systems
9. Journal of Real-Time Image Processing
10. Pattern Analysis and Applications
11. Neural Processing Letters
12. Frontiers of Computer Science
13. Journal of Mathematical Imaging and Vision
14. Neural Computing and Applications
15. Computational Visual Media
16. Science China Information Sciences
17. International Journal on Document Analysis and Recognition (IJDAR)
18. Cluster Computing
19. Progress in Artificial Intelligence
20. Journal of Reliable Intelligent Environments

**Content-Aware Playout and Packet Scheduling for Video Streaming Over Wireless Links**

**System I:**

1. Computer Communications
2. Computer Networks
3. Computers & Electrical Engineering
4. AEÜ - International Journal of Electronics and Communications
5. Ad Hoc Networks
6. Journal of Network and Computer Applications
7. Engineering Applications of Artificial Intelligence
8. Performance Evaluation
9. Pervasive and Mobile Computing
10. Expert Systems with Applications

**System II:**

1. Journal of Network and Systems Management
2. Multimedia Systems
3. Journal of Real-Time Image Processing
4. Photonic Network Communications
5. Frontiers of Computer Science
6. Real-Time Systems
7. Multimedia Tools and Applications
8. The Journal of Supercomputing
9. KI - Künstliche Intelligenz
10. Journal of Computer Science and Technology
11. Journal of Reliable Intelligent Environments
12. Cluster Computing
13. Service Oriented Computing and Applications
14. Science China Information Sciences
15. Human-centric Computing and Information Sciences
16. Computing
17. Personal and Ubiquitous Computing
18. CSI Transactions on ICT
19. International Journal of Information Technology
20. Journal of Communications and Information Networks

**A New Fast Encoding Algorithm Based on an Efficient Motion Estimation Process for the Scalable Video Coding Standard**

**System I:**

1. Signal Processing: Image Communication
2. Journal of Visual Communication and Image Representation
3. Integration, the VLSI Journal
4. Computer Communications
5. Image and Vision Computing
6. Mechanical Systems and Signal Processing
7. Pattern Recognition Letters
8. Microprocessors and Microsystems
9. Neurocomputing
10. Signal Processing

**System II:**

1. Journal of Real-Time Image Processing
2. Multimedia Tools and Applications
3. Multimedia Systems
4. Cluster Computing
5. Personal and Ubiquitous Computing
6. Frontiers of Computer Science
7. Journal of Internet Services and Applications
8. International Journal of Parallel Programming
9. Human-centric Computing and Information Sciences
10. Machine Vision and Applications
11. Pattern Analysis and Applications
12. Neural Processing Letters
13. Journal of Intelligent Information Systems
14. Vietnam Journal of Computer Science
15. Frontiers of Information Technology & Electronic Engineering
16. The Visual Computer
17. Journal of Network and Systems Management
18. Computing
19. International Journal on Document Analysis and Recognition (IJDAR)
20. Journal of Cloud Computing