U-SEARCH

Ube National College of Technology Seeds from Academic Research Challenge

UBE
宇部工業高等専門学校

UCHIDA Yasuo

Organization	Business Administration
Position	Professor
Academic Title	Doctor(Engineering)
Research Fields	Theoretical Computer Science, Information Processing, Educational Information Engineering

<< Research Subjects >>

1. Complexity of Calculation
2. Application of Open Source Software into Enterprise Information System
3. Business Simulation Game

<< Academic Activities >>

Papers and Notes

1. Makoto SAKAMOTO, Ryoju KATAMUNE, Tomoya MATSUKAWA, Hiroshi FURUTANI, Michio KONO, Satoshi IKEDA, Takao ITO, Yasuo UCHIDA, Tsunehiro YOSHINAGA: "Hardware Hierarchies and Recognizabilities of Four-Dimensional Synchronized Alternating Turing Machines", WSEAS TRANSACTIONS on COMPUTERS, Issue 4, Volume 9, pp.329-338 (2010)
2. Makoto SAKAMOTO, Tomoya MATSUKAWA, Ryoju KATAMUNE, Hiroshi FURUTANI, Michio KONO, Satoshi IKEDA, Takao ITO, Yasuo UCHIDA, Tsunehiro YOSHINAGA: "Synchronized Alternating Turing Machines on Four-Dimensional Input Tapes", WSEAS TRANSACTIONS on COMPUTERS, Issue 4, Volume 9, pp.319-328 (2010)
3. Takao ITO, Makoto SAKAMOTO, Ayumi TANIUE, Tomoya MATSUKAWA, Yasuo UCHIDA, Hiroshi FURUTANI, Michio KONO: "Parallel Turing machines on four-dimensional input tapes", Artificial Life and Robotics, Vol.15, No.2, pp.212-215 (2010)
4. Yasuo UCHIDA, Makoto SAKAMOTO, Ayumi TANIUE, Ryuju KATAMUNE, Takao ITO, Hiroshi FURUTANI, Michio KONO: "Some properties of four-dimensional parallel Turing machines ", Artificial Life and Robotics, Vol.15, No.4, pp.385-388 (2010)
5. Yasuo UCHIDA, Takao ITO, Makoto SAKAMOTO, Ryoju KATAMUNE, Kazuyuki UCHIDA, Hiroshi FURUTANI, Michio KONO, Satoshi IKEDA, Tsunehiro YOSHINAGA: "A Relationship between Marker and Inkdot for Four-Dimensional Automata", INTERNATIONAL JOURNAL of COMPUTERS, Issue 1, Volume 5, pp.66-73 (2011)
6. Yasuo UCHIDA, Takao ITO, Makoto SAKAMOTO, Ryoju KATAMUNE, Kazuyuki UCHIDA, Hiroshi FURUTANI, Michio KONO, Satoshi IKEDA, Tsunehiro YOSHINAGA: "Path-Bounded Finite Automata on Four-Dimensional Input Tapes", INTERNATIONAL JOURNAL of COMPUTERS, Issue 1, Volume 5, pp.58-65 (2011)
7. Yasuo UCHIDA, Makoto SAKAMOTO, Satoshi OKATANI, Kaoru KAJISA, Masatsugu FUKUDA, Tomoya MATSUKAWA, Ayumi TANIUE, Takao ITO, Hiroshi FURUTANI, Michio KONO: "Hierarchies based on the number of cooperating systems of three-dimensional finite automata ", Artificial Life and Robotics, Vol.14, No.3, pp.425-428 （2009）
8. Seigo MATSUNO, Takao ITO, Yasuo UCHIDA, Shin-ya TAGAWA: "An Empirical Investigation of IS Outsourcing in Japan", INTERNATIONAL JOURNAL OF EDUCATION AND INFORMATION TECHNOLOGIES, Issue 2, Volume 3, pp.105-114 (2009)
9. Yasuo UCHIDA, Seigo MATSUNO, Tatsuhiro TAMAKI, Takao ITO: "A New Traceability System for SMEs with Open Source Software", WSEAS TRANSACTIONS on BUSINESS and ECONOMICS, Issue 1, Volume 6, pp.1-10, (2009)
10. Makoto Sakamoto, Naoko Tomozoe, Hiroshi Furutani, Michio Kono, Takao Ito, Yasuo Uchida, Hidenobu Okabe : "A Survey of Automata on Three-Dimensional Input Tapes", WSEAS TRANSACTIONS on COMPUTERS, Issue 10, Volume 7, pp.1638-1647 (2008)
11. Yasuo Uchida, Takao Ito, Hidenobu Okabe, Makoto Sakamoto, Hiroshi Furutani, Michio Kono : "Four-Dimensional Multi-Inkdot Finite Automata", WSEAS TRANSACTIONS on COMPUTERS, Issue 9, Volume 7, pp.1437-1446 (2008)

Presentations

1. Takao ITO, Makoto SAKAMOTO, Ayumi TANIUE, Tomoya MATSUKAWA, Yasuo UCHIDA, Hiroshi FURUTANI, Yuchao MA, Michio KONO: "Parallel turing machines on four-dimensional input tapes" Proceedings of The Fifteenth International Symposium on Artificial Life and Robotics 2010", pp.919-921, Oita(Japan), Feb. 4-6 (2010)
2. Yasuo UCHIDA, Takao ITO, Makoto SAKAMOTO, Ryoju KATAMUNE, Kazuyuki UCHIDA, Hiroshi FURUTANI, Michio KONO, Satoshi IKEDA, Tsunehito YOSHINAGA: "Path-Bounded Four-Dimensional Finite Automata", Proceedings of the 9th WSEAS International Conference on SYSTEM SCIENCE and SIMULATION in ENGINEERING, Iwate(Japan), Oct. 4-6 (2010)
3. Yasuo UCHIDA, Takao ITO, Makoto SAKAMOTO, Ryoju KATAMUNE, Kazuyuki UCHIDA, Hiroshi FURUTANI, Michio KONO, Satoshi IKEDA, Tsunehiro YOSHINAGA: "Marker versus Inkdot on Four-Dimensional Tapes", Proceedings of the 9th WSEAS International Conference on SYSTEM SCIENCE and SIMULATION in ENGINEERING, Iwate(Japan), Oct. 4-6 (2010)
4. Yasuo UCHIDA, Takao ITO, Makoto SAKAMOTO, Kazuyuki UCHIDA, Takashi IDE, Ryoju KATAMUNE, Hiroshi FURUTANI, Michio KONO, Tsunehiro YOSHINAGA: "Cooperating systems of four-dimensional finite automata", Proceedings of The Sixteenth International Symposium on Artificial Life and Robotics 2011", pp.191-194. Oita(Japan), Jan. 27-29 (2011)
5. Yazoo UCHIDA, Takao ITO, Makoto SAKAMOTO, Takashi IDE, Kazuyuki UCHIDA, RYOJU KATAMUNE, Hiroshi FURUTANI, Michio KONO, Satoshi IKEDA, Tsunehiro YOSHINAGA: "Bottom-up pyramid cellular acceptors with four-dimensional layers", Proceedings of The Sixteenth International Symposium on Artificial Life and Robotics 2011", pp.187-190, Oita(Japan), Jan. 27-29 (2011)
6. Takao ITO, Makoto SAKAMOTO, Ayumi TANIUE, Tomoya MATSUKAWA, Yasuo UCHIDA, Hiroshi FURUTANI, Yuchao MA, Michio KONO: "Parallel turing machines on four-dimensional input tapes","Proceedings of The Fifteenth International Symposium on Artificial Life and Robotics 2010", pp.919-921, Oita(Japan), Feb. 4-6 (2010)
7. Yasuo UCHIDA, Makoto SAKAMOTO, Ayumi TANIUE, Ryuju KATAMUNE, Takao ITO, Hiroshi FURUTANI, Michio KONO: "Some properties of four-dimensional parallel turning machines", Proceedings of The Fifteenth International Symposium on Artificial Life and Robotics 2010, pp.922-925, Oita(Japan), Feb. 4-6 (2010)
8. Makoto SAKAMOTO, Tomoya MATSUKAWA, Ryoju KATAMUNE, Hiroshi FURUTANI, Michio KONO, Satoshi IKEDA, Takao ITO, Yasuo UCHIDA, Tsunehiro YOSHINAGA: "Four-Dimensional Synchronized Alternating Turing Machines", Proceedings of The AMERICAN CONFERENCE ON APPLIED MATHEMATICS, pp.195-200, Cambridge(USA), Jan. 27-29 (2010)
9. Makoto SAKAMOTO, Ryoju KATAMUNE, Tomoya MATSUKAWA, Hiroshi FURUTANI, Michio KONO, Satoshi IKEDA, Takao ITO, Yasuo UCHIDA, Tsunehiro YOSHINAGA: "Some Results about Hierarchy and Recognizability of Four-Dimensional Synchronized Alternating Turing Machines", Proceedings of The AMERICAN CONFERENCE ON APPLIED MATHEMATICS, pp.201-207, Cambridge(USA), Jan. 27-29 (2010)
10. Yasuo UCHIDA, Makoto SAKAMOTO, Satoshi OKATANI, Kaoru KAJISA, Masatsugu FUKUDA, Tomoya MATSUKAWA, Ayumi TANIUE, Takao ITO, Hiroshi FURUTANI, Michio KONO: "Hierarchies Based on the Number of Cooperating Systems of Three-Dimensional Finite Automata", THE FOURTEENTH INTERNATIONAL SYMPOSIUM ON ARTIFICIAL LIFE AND ROBOTICS (AROB 14th '09), pp.746-749, Oita(JAPAN), Feb.5-7 (2009)
11. Tomoya Matsukawa, Makoto Sakamoto, Yasuo Uchida, Ayumi Taniue, Masatsugu Fukuda, Kaoru Kajisa, Satoshi Okatani, Takao Ito, Hiroshi Furutani, Michio Kono: "Cooperating Systems of Three-Dimensional Finite Automata", THE FOURTEENTH INTERNATIONAL SYMPOSIUM ON ARTIFICIAL LIFE AND ROBOTICS (AROB 14th '09), pp.742-745, Oita(JAPAN), Feb.5-7(2009)
12. Yasuo Uchida, Seigo Matsuno, Tatsuhiro Tamaki: "Development of a Traceability System Based on Open Source Software for Small and Medium Enterprises in Japan", Proceedings of the 3rd WSEAS International Conference on COMPUTER ENGINEERING and APPLICATIONS(CEA'09), pp.35-40, Ningbo(China), January 10-12(2009)
13. Seigo Matsuno, Yasuo Uchida, Shin-ya Tagawa, Takao Ito, "IS Outsourcing as Dynamic Phenomena: Case Studies of Quasi-outsourcing in Japan", Proceedings of the 3rd WSEAS International Conference on COMPUTER ENGINEERING and APPLICATIONS(CEA'09), pp.50-55, Ningbo(China), January 10-12(2009)
14. Makoto Sakamoto, Naoko Tomozoe, Hiroshi Furutani, Michio Kono, Takao Ito, Yasuo Uchida, Hidenobu Okabe: "A Survey of Three-Dimensional Automata", Proceedings of the 12th WSEAS International Conference on COMPUTERS, pp.399-407, Heraklion(Greece), Jul. 23-25 (2008)
15. Yasuo Uchida, Takao Ito, Hidenobu Okabe, Makoto Sakamoto, Hiroshi Furutani, Michio Kono: "Recognizability of Multi-Inkdot Finite Automata on Four-Dimensional Input Tapes", Proceedings of the 12th WSEAS International Conference on COMPUTERS, pp.408-413, Heraklion(Greece), Jul. 23-25 (2008)
16. Yasuo Uchida: "The Development of an Internet Management Game to Have a Virtual Experience of Venture Business", Proceeding of the 36th Annual Conference of International Simulation and Gaming Association, Paper #88, Atlanta(USA), Jun. 30 (2005)