

## 5. Research Results(FY2010)

### 1) Research Articles (peer reviewed)

- ・ M. TOCHIO, K. NAKAYAMA, T. ARAI, S. NONAKA, M. SHIOMI, H. KANAMARU, H.KOJIMA, H.TOYAMA, T.FUJITA, H.KASAI, and M. MUKAIDONO, “The implementation of Safety Basic Assessor System to expand the awareness of safety complied with international standards for engineers and non-engineers in Japan and Asian Countries”, The 6th International Conference on Safety of Industrial Automated Systems, Tampere, Finland (2010)
- ・ Takafumi YOSHIDA, Hiroyuki MORI, “SVRの多目的最適配置に対するSPEA2と指定値の相関を考慮したモンテカルロシミュレーションの適用”, 電気学会論文誌B, 131巻3号, pp.283-289 (2011)
- ・ Kenta OKAWA, Hiroyuki MORI, “Advanced MOEPSOによるCO2排出を考慮した多目的経済負荷配分”, 電気学会論文誌B, 131巻2号, pp.158-166 (2011)
- ・ Hiroyuki MORI, Hiroki KAKUTA, “A TS-based method for probabilistic reliability evaluation in power systems”, Proc. of IEEE POWERCON 2010(CD-ROM), 6 pages, Hangzhou, China (2010)
- ・ Hiroyuki MORI, Takafumi YOSHIDA, “A new multi-objective meta-heuristics for distribution network reconfigurations with SVRs”, Proc. of IEEE SMC 2010(CD-ROM), pp. 1467-1472, Istanbul, Turkey (2010)
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- ・ Hiroyuki MORI, Hiroki KAKUTA, “A new meta-heuristic method for probabilistic transmission network expansion planning”, Proc. of IEEE T&D2010(CD-ROM), 6 pages, New Orleans, LA, USA (2010)
- ・ Hiroki KAKUTA, Hiroyuki MORI, “確率的供給信頼度を考慮したMOMAによる多目的送電系統拡充計画”, 電気学会論文誌B, 130巻12号, pp.1058-1066 (2010)
- ・ Takafumi YOSHIDA, Hiroyuki MORI, “SVRを考慮した配電系統再構成に対する新しい多

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- ・ Tomoyuki MIYAJI, Isamu OHNISHI, Ryo KOBAYASHI and Atsuko TAKAMATSU, “Mathematical analysis to coupled oscillators system with a conservation law”, RIMS Kokyuroku Bessatsu, B21: 129-147 (2010)
  - ・ Masakazu AKIYAMA, Atsushi TERO and Ryo KOBAYASHI, “A Mathematical Model Of Cleavage”, J. Theor. Biol., 264(1) : 84-94 (2010)
  - ・ Takuya UMEDACHI, Koichi TAKEDA, Toshiyuki NAKAGAKI, Ryo KOBAYASHI and Akio ISHIGURO, “Taming Large Degrees of Freedom —A Case Study with an Amoeboid Robot—”, The proceedings of 2010 IEEE International Conference on Robotics and Automation (2010)
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  - ・ Yohei KATSUYAMA, Kaoru ARAKAWA, “Impulsive Noise Removal in Color Image Using Interactive Evolutionary Computing”, IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences Vol.E93-A No.11, pp.2184-2192 (2010)
  - ・ Yohei KATSUYAMA, Kaoru ARAKAWA, “Color Image Interpolation for Impulsive Noise Removal Using Interactive Evolutionary Computing”, IEEE Proc. ISCIT 2010, pp.877-882 (2010)
  - ・ Tomo NAKAI, Taro OKAKURA, Kaoru ARAKAWA, “Face Recognition Across Age Progression Using Block Matching Method”, IEEE Proc. ISCIT 2010, pp.620-625 (2010)
  - ・ Akira YODA, Yukihiro IGUCHI and Kaoru ARAKAWA, “Development of Nonlinear Filter Bank System for Real-Time Beautification of Facial Video Using GPGPU”, IEEE Proc. ISCIT 2010, pp.18-23 (2010)
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  - Daikou SHIOTA, Kanya KUSANO, Takahiro MIYOSHI, and K.SHIBATA, “MHD modeling for Formation Process of Coronal Mass Ejections: Interaction between Ejecting Flux Rope and Ambient Field”, The Astrophysical Journal, 718, 2, 1305-1314 (2010)
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  - Shu-ichi KINOSHITA, Hiroaki YAMADA, “Stability of Attractors in Biological Networks”, Proceedings of International Symposium on Communications and Information Technologies 2010, pp.839-843 (2010)
  - Chiyori URABE and Shinji TAKESUE, “Fracture toughness and maximum stress in a disordered lattice system”, Physical Review E, Vol.82, 016106 (2010)
  - Ryosuke NISHI, Hiroshi MIKI, Akiyasu TOMOEDA, Daichi YANAGISAWA and

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- Daichi YANAGISAWA, Ryosuke NISHI, Akiyasu TOMOEDA, Kazumichi OHTSUKA, Ayako KIMURA, Yushi SUMA and Katsuhiro NISHINARI, “Study on Efficiency of Evacuation with an Obstacle on Hexagonal Cell Space”, *SICE Journal of Control, Measurement, and System Integration*, Vol.3 No.6, pp.395-401(2010)
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## 2) Research Articles (not peer reviewed)

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