# 本学教員とフロリダアトランティック大学教員の共同研究業績

## 1. 著書

1) Anne Boykin and Savina O. Schoenhofer著, 多田敏子・谷岡哲也監訳: ケアリングとしての看護 – 新しい実 践のためのモデル – , 西日本法規出版, 2005年3月. 原著: *Nursing as caring, a model for transforming practice*, Jones and Bartlet Publishers Inc., Sudbury, USA, 2001.

## 2. 書籍の一部執筆

 A. Campling, T. Tanioka and R. C. Locsin: Robots and Nursing Systems: Concepts, Relationships, and Practice. *In*, *Technology and Nursing: Practie, Process, and Issues*. A. Barnard and R. C. Locsin, 240Pages, Palgrave-Macmillan, Co., Ltd., UK. May 2007.

# 3. 審査論文

- 1) Hirofumi Nagashino and J. A. Scott Kelso: Bifurcation of oscillatory solutions in a neural oscillator network model for phase transition, *Proceedings of the Second Symposium on Nonlinear Theory and Its Application*, Vol. 1, pp. 119-122, 1991.
- 2) Hirofumi Nagashino and J. A. Scott Kelso: Phase transitions in oscillatory neural networks, *SPIE Proceedings*, *Science of Artificial neural networks*, Vol. 1710, pp. 279-287, 1992.
- 3) Hirofumi Nagashino, Hidenori Yamamoto, Abhijit S. Pandya and Yohsuke Kinouchi: Analysis of feature extraction by inverse mapping and Alopex algorithm, *Proceedings of 1994 IEEE International Conference on Neural Networks*, Vol. 4, pp. 2407-2410, 1994.
- 4) Tadashi Kondo, Abhijit S. Pandya and J. M. Zurada: GMDH-type Neural Networks with a Feedback Loop and their Application to Nonlinear System Identification, *Intelligent Engineering System through Artificial Neural Networks*, ASME Press, Vol.9, pp. 117~124, 1999.
- 5) Tadashi Kondo, Abhijit S. Pandya and J. M. Zurada: Logistic GMDH-type Neural Networks and their Application to the Identification of the X-ray Film Characteristic Curves, *Proceedings of IEEE International Conference on Systems, Man and Cybernetics*, Vol. 1, pp. 437–442, 1999.
- 6) Tadashi Kondo, Abhijit S. Pandya and J. M. Zurada: GMDH-type Neural Networks and their Application to the Medical Image Recognition of the Lungs, *Proceedings of 38th SICE Annual Conference International Session Papers*, pp. 1181-1186, 1999.
- 7) Abhijit S. Pandya, Tadashi Kondo, T. U. Shah, and V. R. Gandhi: Prediction of Stock Market Characteristics Using Neural Networks, *Proceedings of SPIE Conference on Application and Science of Computational Intelligence* II, pp. 1101-1109, Orland, 1999.
- 8) Qinyu Zhang, Youssouf Cisse, Hirofumi Nagashino, Yohsuke Kinouchi and Abhijit S. Pandya: Identification of biological sources by neural networks, *Proceedings of 1999 Third International Conference on Knowledge-Based Intelligent Information Engineering Systems*, Vol. 1, pp. 550-552, 1999.
- Abhijit S. Pandya, Tadashi Kondo, A. Talati, S. Jayadevappa: Foreign currency rate forecasting using neural networks, *Proceedings of SPIE Conference on Applications and Science of Computational Intelligence* III, Vol.4055, pp. 392-400, 2000.
- 10) Tadashi Kondo and Abhijit S. Pandya: GMDH-type Neural networks using the Radial Basis Function and their Application to the Medical Image Recognition of the Brain, *Proceeding of the 39th SICE Annual Conference International Session Papers*, 313A-2, pp. 1-6, 2000.
- 11) Tadashi Kondo and Abhijit S. Pandya: GMDH-type Neural Networks with a Feedback Loop and their Application to the Identification of the Large-spatial Air Pollution Pattern, *Proceeding of the 39th SICE Annual Conference International Session Papers*, 112A-4, pp. 1-6, 2000.
- 12) Tadashi Kondo, Abhijit S. Pandya and T. Gilbar: Structural identification of the multi-layered neural networks by using GMDH-type neural network algorithm, *Knowledge-based intelligent information engineering systems and allied technologies*, pp. 89-94, 2001.
- 13) Tadashi Kondo and Abhijit S. Pandya: Medical image recognition by using GMDH-type neural networks with sigmoid functions, *Proceedings of the international technical conference on circuits and systems, computers and communications*, Vol. 2, pp. 1118-1121, 2001.

- 14) Tadashi Kondo and Abhijit S. Pandya: Medical image recognition by using logistic GMDH-type neural networks, *Proceedings of the 40th SICE annual conference, international session papers*, 313A-2, pp. 1-6, 2001.
- 15) Sandeep Mehta, Tadashi Kondo and Abhijit S. Pandya: GMDH Algorithms for Modeling Systems in Noisy Envitonment, *The 6<sup>th</sup> World Multiconference on Systems, Cybernetics and Informatics (SCI2002)*, Orland, Florida, USA, pp. 14-18, July 2002.
- 16) Tadashi Kondo, Abhijit S. Pandya: Revised GMDH-type neural networks with a feedback loop and their application to the medical image recognition, *Proceeding of the 9th International Conference on Neural Information Processing*, No. 1415, pp. 1-6, August 2002.
- 17) Tadashi Kondo, Abhijit S.Pandya and Thomas Gilbar: GMDH-type Neural Network Algorithm with Sigmoid Functions, *International Journal of Knowledge-Based Intelligent Engineering Systems*, Vol. 7, No. 4, pp. 198-205, 2003.
- 18) Tadashi Kondo and Abhijit S. Pandya: Modeling of X-ray CT Image by using Revised GMDH-type Neural Networks with Sigmoid Functions, Proc. of 2003 IEEE International Symposium on Computational Intelligence in Robotics and Automation (CIRA2003), pp. 1180-1185, July 2003.
- 19) Tadashi Kondo and Abhijit S. Pandya: Recognition of X-ray CT images by using revised GMDH-type neural networks, *Knowledge-based intelligent information engineering systems and allied technologies (KES2003)*, pp. 849-855, September 2003.
- 20) Ali A. Danesh, Yohsuke Kinouchi, Deena L. Wener and Abhijit S. Pandya: Functional imaging of tinnitus: Seeing of the unseeable!, in V. Palade, R. J. Howlett and L. C. Jain Eds., Knowledge-Based Intelligent Information and Engineering Systems, Proceedings of 7th International Conference on Knowledge-Based Intelligent Information and Engineering Systems, Part II, pp. 794-799, 2003.
- 21) Tadashi Kondo and Abhijit S. Pandya: Identification of the Radial Basis Function Networks by using the Multi-layered GMDH-type Neural Network Algorithm, *Intelligent Engineering System through Artificial Neural Networks*, Vol.14, pp. 131-136, 2004.
- 22) Tadashi Kondo and Abhijit S. Pandya: Medical Image Recognition by using the Multi-layered GMDH-type Neural Networks with the Radial Basis Function, *Intelligent Engineering System through Artificial Neural Networks*, Vol.14, pp. 785-790, 2004.
- 23) Tadashi Kondo and Abhijit S. Pandya : Identification of the Multi-layered Neural Networks by Revised GMDH-type Neural Network Algorithm with PSS Criterion, Knowledge-based intelligent information engineering systems and allied technologies, pp.1051-1059, 2004.
- 24) Bhairavi Pandya, Akiko Noda and David C. Prosperi: Interactive GIS-based planning support systems: experiences from Florida, *Proceedings of International Conference on Computers in Urban Planning and Urban Management*, London, United Kingdom, June 29-July 1, 2005, Paper 313:1-12.
- 25) Rozzano C. Locsin, Tetsuya Tanioka and Chiemi Kawanishi: Anthropomorphic Machines and the Practice of Nursing: Knowing Persons as Whole in the Moment, *Proceedings of 2005 IEEE International Conference on Natural Language Processing and Knowledge Engineering* (IEEE NLP-KE'05), pp. 825-829, Wuhan, China, Oct. 2005.
- 26) Kyoko Osaka, Shin-ichi Chiba, Tetsuya Tanioka, Chiemi Kawanishi, Isao Nagamine, Fuji Ren, Shingo Kuroiwa, Toshiko Tada, Ruriko Yamashita, Mayuko Kishimoto, Mika Nishimura, Ai Yamamoto, Rozzano C. Locsin and Yoichiro Takasaka: Estimating Emotion Changes Using Electroencephalographic Activities and its Clinical Application, *Proceedings of 2005 IEEE International Conference on Natural Language Processing and Knowledge Engineering* (IEEE NLP-KE'05), pp. 830-834, Wuhan, China, Oct. 2005.
- 27) Tetsuya Tanioka, Chiemi Kawanishi, Toshiko Tada, Chiemi Onishi, Rozzano C. Locsin, Fuji Ren, Kyoko Osaka: Relationship between "emotional sensitivity" as technological competency and caring: development of the sensibility estimation technique using EEG, *International Journal for Human Caring*, Special Issue, Vol. 10, No. 2, p. 63, Perth, Australia June 2006.
- 28) Rozzano C. Locsin, Alan Barnard, Tetsuya Tanioka, Aric Campling: Appreciating Caring through Technological Competency: Nursing Practice in a Technological World, *International Journal for Human Caring*, Special Issue, Vol. 10, No. 2, p. 46, Perth, Australia, June 2006.
- 29) Chiemi Kawanishi, Tetsuya Tanioka, Toshiko Tada, Fuji Ren, Kyoko Osaka, Kazuyuki Matsumoto, Shunji Mitsuyoshi, Locsin C Rozzano and Shu-ichi Ueno : Consideration of Measuring Method for Empathic Understanding as Technological Competency of Nursing, Proceedings of The Fourth International Conference on Information and The Fourth Irish Conference on the Mathematical Foundations of Computer Science and Information Technology, pp.68-72, Cork, Ireland, Aug. 2006.

- 30) Kyoko Osaka, Kazuyuki Matumoto, Chiemi Kawanishi, Tetsuya Tanioka, Toshiko Tada, Shuichi Ueno, Rozzano C Locsin and Fuji Ren: Required precision to natural language processing for therapeutic patient-health care provider communication, The IASTED International Conference on Intelligent, Systems and Control (ISC 2006), Honolulu, Hawaii, USA, pp.118-123, August 14–16, 2006.
- 31) Hirohito Shintani, Masatake Akutagawa, Hirofumi Nagashino, Abhijit S. Pandya and Yohsuke Kinouchi: Oscillation and Its Inhibition in a Neural Oscillator Model for Tinnitus, Proceedings of World Congress on Medical Physics and Biomedical Engineering, Vol.1, pp.133-136, Seoul, Aug. 2006.
- 32) Ken'ichi Fujimoto, Hirofumi Nagashino, Yohsuke Kinouchi, Ali A. Danesh and Abhijit S. Pandya : Analysis of a Neural Oscillator Model With Plasticity for Treatment of Tinnitus, Proceedings of World Congress on Medical Physics and Biomedical Engineering, Vol.14, pp.3413-3416, Seoul, Aug. 2006.
- 33) Ken'ichi Fujimoto, Hirofumi Nagashino, Yohsuke Kinouchi, Ali A. Danesh and Abhijit S. Pandya : Oscillation and Its Inhibition in a Neural Oscillator Model for Tinnitus, Proceedings of the 28th IEEE-EMBS Annual International Conference, pp.5547-5550, New York, Aug. 2006.
- 34) Tadashi Kondo, Junji Ueno and Abhijit. S. Pandya: Multilayered GMDH-type neural network with radial Basis functions and its application to 3-dimensional medical image recognition of the liver, *Journal of Advanced Computational Intelligence and Intelligent Informatics*, Vol. 11, No. 1, pp. 96-104, 2007.
- 35) Ken'ichi Fujimoto, Hirofumi Nagashino, Yohsuke Kinouchi, Ali A. Danesh and Abhijit S. Pandya: A Plastic Neural Network Model for Sound Therapy of Tinnitus, *IEEJ Transactions on Electrical and Electronic Engineering*, Vol. 2, No. 4, pp. 488-490, 2007.
- 36) Ken'ichi Fujimoto, Hirofumi Nagashino, Yohsuke Kinouchi, Ali A. Danesh and Abhijit S. Pandya: Inhibition of oscillation in a plastic neural network model using noise stimulus, *Proceedings of the 11th World Multi-Conference on Systemics, Cybernetics and Informatics, Orlando, USA, July 2007*, Vol. IV, pp. 108-112, 2007.
- 37) Tadashi Kondo, Abhijit. S. Pandya and Hirofumi Nagashino: GMDH-type neural network algorithm with a feedback loop for structural identification of RBF neural network, *International Journal of Knowledge-based and Intelligent Engineering Systems*, Vol. 11, No. 3, pp. 157-168, 2007.
- 38) Tetsuya Tanioka, Ai Kawamura, Kazuyuki Matsumoto, Kazushi Mifune, Yoichiro Takasaka, Takuya Matsuda, Kyoko Osaka, Shuichi Ueno, Rozzano C. Locsin, Mutsuko Kataoka, Shuichi Ueno, Takuya Matsuda, Ren Fuji, Toshiko Tada: Outcome Management and Morphologic Variance Analysis Using Psychoms<sup>™</sup> for Patient Care in Psychiatric Hospitals, *IEEE NLP-KE2007*, pp.502-506, Beijing, China, Aug. 2007.
- 39) Kyoko Osaka, Tetsuya Tanioka, Rozzano C. Locsin, Shu-ichi Ueno, Matsumoto Kazuyuki, Chiemi Kawanishi, Shingo Kuroiwa, Seiji Tsuchiya and Fuji Ren: Electroencephalograph Estimation Method of Measuring `Empathic Understanding', *IEEE NLP-KE2007*, pp.514-519, Beijing, China, Aug. 2007.
- 40) Ken'ichi Fujimoto, Hirofumi Nagashino, Yohsuke Kinouchi, Ali A. Danesh and Abhijit S. Pandya: Dynamical properties of a plastic neural network model for tinnitus therapy and inhibition of oscillation using noise stimulus, *Proceedings of the 29th Annual International Conference of the IEEE-EMBS, Lyon, France, August 23-26, 2007*, pp. 2408-2411, 2007.
- 41) Makiko Yamashita, Tsutomu Shinohara, Ruth Ann Henriksen, Shoutaro Tsuji, Quentin N. Myrvik, Akihito Nishiyama, Yoshimi Shibata: Catalytically inactive cyclooxygenase 2 (COX-2) and lack of PGE<sub>2</sub> biosynthesis induced by murine peritoneal macrophages during phagocytosis of heat-killed *Mycobacterium bovis* BCG *in vivo*, J. *Immunology*, Vol. 179, No. 10, pp. 7072-7078, 2007.
- 42) Shoutaro Tsuji, Makiko Yamashita, Akihito Nishiyama, Tsutomu Shinohara, Zhongwei Li, Donald R. Hoffman, Ruth Ann Henriksen, Quentin N. Myrvik, Yoshimi Shibata: Differential structure and activity between human and mouse intelectin-1: human intelectin-1 is a disulfide-linked trimer, whereas mouse homologue is a monomer, *Glycobiology*, Vol. 17, No. 10, pp. 1045-1051, 2007.
- 43) Hirohito Shintani, Masatake Akutagawa, Hirofumi Nagashino, Abhijit S. Pandya and Yohsuke Kinouchi: Optimization of MLP/BP for character recognition using a modified alopex algorithm, *International Journal of Knowlrge-based and Intelligent Engineering Systems*, Vol. 11, No. 6, pp. 371-379, 2007.
- 44) Yoshihiro Kai, Naoki Fujii, Tetsuya Tanioka, Kenichi Sugawara and Rozzano C. Locsin: A walking support machine with mechanical devices to prevent patient's falling and relieve patient's weight, *Information*, Vol. 10, No. 5, pp. 655-662, September 2007
- 45) Kyoko Osaka, Seiji Tsuchiya, Fuji Ren, Shingo Kuroiwa, Tetsuya Tanioka and Rozzano C. Locsin: The technique of emotion recognition based on electroencephalogram, *Information*, Vol. 11, No. 1, January 2008.
- 46) Yoshinori Nitta, Masatake Akutagawa, Toshiya Okahisa, Hiroshi Miyamoto, Yoshiaki Ohnishi, Shun'ya Nakane, Ryuji Kaji, Abhijit S. Pandya and Yohsuke Kinouchi: Analysis of hematocrit value during the plasma exchange,

Proceedings of the International Symposium on Biological and Physiological Engineering/The 22nd SICE Symposium on Biological and Physiological Engineering, Harbin, China, January 13-14, 2008, pp. 278-279, 2008.

- 47) Hirofumi Nagashino, Ken'ichi Fujimoto, Yohsuke Kinouchi, Ali A. Danesh, Abhijit S. Pandya and Jufang He: Oscillation and its inhibition in a neuronal network model for tinnitus sound therapy, *Proceedings of the 30th Annual International Conference of the IEEE-EMBS, Vancouver, Canada, August 20-24, 2008*, pp. 311-314, 2008.
- 48) A. Nishiyama, T. Shinohara, T. Pantuso, S. Tsuji, M. Yamashita, Q. N. Myrvik, R. A. Henriksen, Y. Shibata: Depletion of cellular cholesterol enhances macrophage MAPK activation by chitin microparticles but not by heat-killed Mycobacterium bovis BCG, *Am J Physiol Cell Physiol*, Vol. 295, pp. 341-349, 2008.
- 49) T. Shinohara, M. Yamashita, T. Pantuso, M. Kogiso, S. Shinohara, Q. N. Myrvik, R. A. Henriksen, Y. Shibata: Persistent inactivation of macrophage cyclooxygenase-2 in mycobacterial pulmonary inflammation, *Am J Resp Cell Mole Biol* (in press). A full pre-print is available: http://ajrcmb.atsjournals.org/cgi/reprint/2008-02300Cv1.
- 50) Ai Kawamura, Tetsuya Tanioka, Kyoko Osaka, Kenichi Mishina, Toshiko Tada, Rozzano C. Locsin, Chiemi Kawanishi, Eva Tornvall: Nursing Management in Psychiatric Hospitals Utilizing Psychoms<sup>™</sup>; Clinical Pathways to Outcomes Management of Discharge for Long-term Care Patientsts' Discharge, *Proceedings of 1st BIMP International Nursing Conference, Davao, the Philippines, October 8-9, 2008*, pp. 79-87, 2008.
- 51) Tetsuya Tanioka, Alan Barnard, Rozzano C. Locsin, Kyoko Osaka, Chiho Tamayama, Kana Kikugawa, Chiemi Kawanishi, Toshiko Tada: The development of artificial intelligence based on caring science for humanoid Caring Robots, *Proceedings of 1st BIMP International Nursing Conference, Davao, the Philippines, October 8-9, 2008*, pp. 156-163, 2008.

### 4. 総説 · 解説

- Chiemi Kawanishi, Kyoko Osaka, Tetsuya Tanioka, Rozzano C. Locsin, Toshiko Tada, Shu-ichi Ueno, Fuji Ren, Kazuyuki Matumoto and Shunji Mituyoshi: Establishing Methods and Analytical Examples for Empathic Understanding As Technological Competency in Nursing, *Journal of Information*, Vol.10, No.2, 253-262, 2007.
- Hirofumi Nagashino, Ken'ichi Fujimoto, Yohsuke Kinouchi, Ali A. Danesh, Abhijit S. Pandya and Jufang He: Computational modeling for tinnitus and its management by sound therapy, *Proceedings of International Symposium on Biomedical Engineering and Related Technologies, Tokushima, Japan, March 7, 2009*, pp. 11-16, 2009.
- 3) Abhijit S. Pandya, Yoshinori Nitta, Yohsuke Kinouchi and Mirjana Pavlovic: Intelligent systems for prediction of Hematocrit value during blood transfusion, *Proceedings of International Symposium on Biomedical Engineering* and Related Technologies, Tokushima, Japan, March 7, 2009, pp. 52-66, 2009.

#### 5. 学会発表

- 1) Hirofumi Nagashino and J. A. Scott Kelso: A neural oscillator model of phase transitions in coordinated rhythmic movements, *Proceedings of 1990 Shikoku-Section Joint Convention of the Institutes of Electrical and Related Engineers*, *Matsuyama*, *Japan*, p. 443, Oct. 1990.
- 2) Rozzano C. Locsin, Tetsuya Tanioka and Chiemi Kawanishi: Nursing Practice and Technology, *The international workshop in Beijing University of Posts and Telecommunications*, Beijing, China, Nov. 2005.
- 3) Shuuhei Higashi, Ken'ichi Fujimoto, Hirofumi Nagashino, Masatake Akutagawa, Yohsuke Kinouchi, Ali A. Danesh and Abhijit S. Pandya: Development of a Measurement System of EEG and Its Spectrogram, *Proceedings of 2007 Shikoku-Section Joint Convention of the Institutes of Electrical and Related Engineers, Matsuyama, Japan*, p. 181, September 2006.
- 4) Reiji Suzuki, Ken'ichi Fujimoto, Hirofumi Nagashino, Masatake Akutagawa, Yohsuke Kinouchi, Ali A. Danesh and Abhijit S. Pandya: A Method of Analysis for alpha-wave in EEG under Tinnitus, Proceedings of 2006 Shikoku-Section Joint Convention of the Institutes of Electrical and Related Engineers, Matsuyama, Japan, p. 180, September 26, 2006.
- 5) 新谷洋人, <mark>芥川正武</mark>, 長篠博文, Abhijit S. Pandya, <mark>木内陽介</mark>: ステップ幅を可変にしたAlopex algorithm, 平 成18年度電気関係学会四国支部連合大会講演論文集, p. 187, 講演番号14-10, 松山, 2006年9月.
- 6) Daisuke Adachi, Takayuki Araki, Ken'ichi Fujimoto, Hirofumi Nagashino, Yohsuke Kinouchi, Ali A. Danesh and Abhijit S. Pandya : Inhibition of Oscillation by Noise in a Neural Network Model for Treatment of Tinnitus, Journal of Shikoku-Section Joint Convention of the Institutes of Electrical and Related Engineers, p.188, Sep. 2006.
- 7) T. Tanioka, R. C. Locsin, A. Campling: Suggestions for service management using the strength of community residents in the depopulated area, *ICN International Conference*, Yokohama, Japan, May 27 June 1, 2007.

- 8) K. Osaka, T. Tanioka, R. C. Locsin, C. Kawanishi, T. Tada, F. Ren, S. Ueno: Sensibility Estimation Technique Contributing to Caring as Technological Competency in Nursing, *The 10th East Asian Forum on Nursing Science* (EAFONS) Conference, Silliman University, Dumaguete, Philippines, p.33, 2007.
- 9) T. Tanioka, R. C. Locsin, K. Matsumoto, K. Osaka, F. Ren, T. Tada and S. Ueno: Progress Management using AI for Psychiatric Clinical Pathway and Variance Analysis, *The 10th East Asian Forum on Nursing Science (EAFONS)* Conference, Silliman University, Dumaguete, Philippines, p.41, 2007.
- 10) Ali A. Danesh, Ken'ichi Fujimoto, Hirofumi Nagashino, Yohsuke Kinouchi and Abhijit S. Pandya: A plastic neural network model for tinnitus inhibition, Advances in Tinnitus Assessment, Treatment and Neuroscience Basis Conference, Grand Island, New York, USA, June 22-24, 2007.
- 11) Hirohito Shintani, Masatake Akutagawa, Hirofumi Nagashino, Abhijit S. Pandya and Yohsuke Kinouchi: Character recognition using neural networks and Alopex algorithm, *IEICE Technical Report on ME and Biocybernetics*, *Tokushima, Japan*, MBE2007-20, Vol. 107, No. 154, pp. 1-4, July 2007.
- 12) Ken'ichi Fujimoto, Hirofumi Nagashino, Yohsuke Kinouchi, Ali A. Danesh and Abhijit S. Pandya: Dynamical property of a plastic neural network model for tinnitus therapy and inhibition of oscillation by two types of noise stimuli, *IEICE Technical Report on ME and Biocybernetics, Tokushima, Japan*, MBE2007-36, Vol. 107, No. 154, pp. 63-66, July 2007.
- 13) Ken'ichi Fujimoto, Hirofumi Nagashino, Yohsuke Kinouchi, Ali A. Danesh and Abhijit S. Pandya: A plastic comutational model for tinnitus therapy, *Workshop on Biomedical Signal Processing, Tokushima, Jpan*, August 2007.
- 14) Hirohito Shintani, Masatake Akutagawa, Hirofumi Nagashino, Abhijit S. Pandya and Yohsuke Kinouchi: Effect of Euclidean norm for receptive field, *Proceedings of 2007 Shikoku-Section Joint Convention of the Institutes of Electrical and Related Engineers, Tokushima, Japan*, p. 240, September 29, 2007.
- 15) Hiroki Okamoto, Masaya Sato, Ken'ichi Fujimoto, Hirofumi Nagashino, Yohsuke Kinouchi, Ali A. Danesh and Abhijit S. Pandya : Inhibition of oscillation by high frequency sinusoidal stimulus on a plastic neural network model for tinnitus therapy, *Proceedings of 2007 Shikoku-Section Joint Convention of the Institutes of Electrical and Related Engineers, Tokushima, Japan*, p. 241, September 29, 2007.
- 16) Mizuki Takasu, Akihiro Senju, Ken'ichi Fujimoto, Yoshinori Tegawa, Hirofumi Nagashino, Masatake Akutagawa, Yohsuke Kinouchi, Ali A. Danesh and Abhijit S. Pandya : Development of EEG measurement and noise output for monitoring of tinnitus, *Proceedings of 2007 Shikoku-Section Joint Convention of the Institutes of Electrical and Related Engineers*, *Tokushima*, *Japan*, p. 242, September 29, 2007.
- 17) Kyoko Osaka, Tetsuya Tanioka, Rozzano C. Locsin, Shingo Kuroiwa, Fuji Ren, Shuichi Ueno, Toshiko Tada and Chiemi Kawanishi: Dose Sensibility Estimation Technique Contribute to Caring as Technological Competency of Nursing?, International Conference to Celebrate 100th Anniversary of college of Nursing Seoul National University, Seoul, Korea, p. 256, October 2007.
- 18) Hirohito Shintani, Masatake Akutagawa, Hirofumi Nagashino, Abhijit S. Pandya and Yohsuke Kinouchi: Recognition Mechanism of a MLP/BP, *Proceedings of Annual Conference of Systems and Information Division of SICE, Tokyo, Japan*, pp. 137-140, November 26-28, 2007.
- 19) Tsutomu Shinohara, Makiko Yamashita, Akihito Nishiyama, Shoutaro Tsuji, Ruth Ann Henriksen, Quentin N. Myrvik, Yoshimi Shibata: Differential regulation of cyclooxygenase (COX) isoforms in alveolar (AM) and peritoneal macrophages (PM) from heat-killed Mycobacterium bovis BCG treated mice, 94th Annual Meeting of The American Association of Immunologist Inc., May, 2007.
- 20) Yoshimi Shibata, Tsutomu Shinohara, Shoutaro Tsuji, Ruth Ann Henriksen, Akihito Nishiyama, Quentin N. Myrvik, Makiko Yamashita: Catalytically Inactive Cyclooxygenase 2 (COX-2) and Absence of PGE2 Biosynthesis in Murine Peritoneal Macrophages Following in vivo Phagocytosis of Heat-killed Mycobacterium bovis BCG, 94th Annual Meeting of The American Association of Immunologist Inc., May, 2007.
- 21) Hirofumi Nagashino, Ken'ichi Fujimoto, Yohsuke Kinouchi, Ali A. Danesh and Abhijit S. Pandya: A computational model for tinnitus management by sound therapy, *International Tinnitus Seminars, Gothenburg, Sweden*, Abstract Book, p. 85, June 15-18, 2008.
- 22) Hirofumi Nagashino, Mizuki Takasu, Soichi Nakamura, Keisuke Akashima, Ryota Bando, Ken'ichi Fujimoto, Yoshinori Tegawa, Masatake Akutagawa, Yohsuke Kinouchi, Ali A. Danesh and Abhijit S. Pandya: Development of EEG measurement and analysis for tinnitus monitoring, *Proceedings of 2008 Shikoku-Section Joint Convention* of the Institutes of Electrical and Related Engineers, Tokushima, Japan, p. 251, September 27, 2008.
- 23) Shota Hattori, Masaya Sato, Hirofumi Nagashino, Ken'ichi Fujimoto, Yohsuke Kinouchi, Ali A. Danesh and Abhijit
  S. Pandya: A neuronal network model for tinnitus and its management by sound therapy, *Proceedings of 2008*

Shikoku-Section Joint Convention of the Institutes of Electrical and Related Engineers, Tokushima, Japan, p. 252, September 27, 2008.

- 24) Hirofumi Nagashino, Ken'ichi Fujimoto, Yohsuke Kinouchi, Ali A. Danesh and Abhijit S. Pandya: A neural network model for tinnitus management by sound therapy, *Proceedings of 2008 Annual Conference of Division of System and Information Science, The Society of Instrument and Control Engineers (SICE), Himeji, Japan*, pp. 529-530, November 26-28, 2008.
- 25) Hirohito Shintani, Masatake Akutagawa, Hirofumi Nagashino, Abhijit S. Pandya and Yohsuke Kinouchi: A comparative approach for MLP/BP using alopex algorithm, *Proceedings of 2008 Annual Conference of Division of System and Information Science, The Society of Instrument and Control Engineers (SICE), Himeji, Japan*, pp. 531-534, November 26-28, 2008.
- 26) Yoshimi Shibata, Ruth Ann Henriksen, Quentin N. Myrvik, Harni Patel, Mirjana D. Pavlovic, Shizuka Shinohara, Traci Pantuso and Tsutomu Shinohara: Persistent pulmonary inflammation and cyclooxygenase -1 and -2 modifications in alveolar macrophages following in vivo phagocytosis of mycobacteria, *Experimental Biology*, San Diego, CA, USA, April 2008.

# 6. 国際会議セッションの組織化

- 1) Intelligent paradigms and applications, Organizers/Chairs: Abhijit S. Pandya and Yohsuke Kinouchi, *Third International Conference on Knowledge-Based Intelligent Information Engineering Systems*, Adelaide, Australia, August 30 September 1, 1999.
- 2) Biologically inspired paradigms in computational intelligence, Organizers: Abhijit S. Pandya, Hirofumi Nagashino and Peter Szabo, Chairs: Abhijit S. Pandya and Yohsuke Kinouchi, Fifth International Conference on Knowledge-Based Intelligent Information Engineering Systems & Allied Technologies, Kashiwara, Japan, September 6-8, 2001.
- 3) Intelligent paradigms on biocybernetics and biomedical engineering, Organizers/Chairs: Abhijit S. Pandya and Hirofumi Nagashino, 7th International Conference on Knowledge-Based Intelligent Information and Engineering Systems, Oxford, United Kingdom, September 3-5, 2003.
- 4) Intelligent system design, Organizers/Chairs: Abhijit S. Pandya and Hirofumi Nagashino, 7th International Conference on Knowledge-Based Intelligent Information and Engineering Systems, Oxford, United Kingdom, September 3-5, 2003.
- 5) Intelligent system design, Organizers/Chairs: Abhijit S. Pandya and Hirofumi Nagashino, 8th International Conference on Knowledge-Based Intelligent Information and Engineering Systems, Wellington, New Zealand, September 22-24, 2004.

# 7. 研究助成金

- 1) 鈴木茂行, J. A. Scott Kelso他:新しい工学技術創造を目指した生体高次機能の学際的研究, Monbusho文部省 科学研究費補助金 国際学術研究大学間協力研究 1997~1999年度.
- 2) 長篠博文, <mark>芥川正武</mark>, Ali A. Danesh and Abhijit S. Pandya: 脳波計測と数理モデルを用いた聴覚系脳活動の解 析, 日本学術振興会科学研究費補助金 基盤研究(C) 2009~2011年度.