

ANNUAL REPORT 2004 DSP TC, IEEE CAS SOCIETY

Chairman: Prof. T. Saramäki
Secretary: Prof. H. K. Kwan
Secretary-Elect: Prof. Y. Miyanaga
Past Chairman: Prof. P. S. R. Diniz

- (1) TC Meeting: The last TC Annual Meeting was held on May 26, 2003, Monday, 13:00 to 14:00 at Room 801, Imperial Queen's Park Hotel, Bangkok, during the IEEE International Symposium on Circuits and Systems, Bangkok, Thailand, May 25-29, 2003.
- (2) Conferences or Workshops where the DSP TC or Members of the TC was/were actively involved in 2003 include the followings:
 - (a) Prof. Moncef Gabbouj served as member of the technical committee of 4th European Workshop on Image Analysis for Multimedia Interactive Services, April 9-11, 2003, Queen Mary, University of London, UK.
 - (b) 2003 IEEE International Symposium on Circuits and Systems, Bangkok, Thailand, May 25-28, 2003. (DSP Track Chair: Prof. T. Saramäki.) (Review Committee Members: Profs. Sankar Basu, Shing-Chow Chan, Karen Egiazarian, Norbert Fliege, Takao Hinamoto, H. K. Kwan, Mohsin M. Jamali, Lina Karam, Håkan Johansson, Yong Ching Lim, Wu-Sheng Lu, Masayuki Kawamata, Yoshikazu Miyanaga, Truong Nguyen, Mohammed Y. Niamat, Behrouz Nowrouzian, Soo-Chang Pei, See-May Phoong, Ravi P. Ramachandran, Thanos Stouraitis, Sergios Theodoridis, and Wei Xing Zheng)
 - (c) 2003 IEEE International Symposium on Circuits and Systems, Bangkok, Thailand, May 25-28, 2003. (Co-Organizers and Co-Chairs of Invited Sessions: 1. "Frequency Response Masking Technique" (Sponsored by DSP TC): Prof. Yong Lian and Prof. Håkan Johansson. 2. "Speech and Language Processing" (Sponsored by DSP TC): Profs. Ravi Prakash Ramachandran and H. K. Kwan. 3. "Multidimensional Circuits, Systems and Signal Processing": Prof. Zhiping Lin and Dr Sankar Basu (with Profs. K. Galkowski and H. Reddy). 4. "Variable Digital Filters": Profs. Tian-Bo Deng and Masayuki Kawamata. 5. "New Advances in Recurrent Neural Networks": Profs. Derong Liu and H. K. Kwan.)
 - (d) 2003 IEEE International Symposium on Circuits and Systems, Bangkok, Thailand, May 25-29, 2003. (Technical Session Chairs: 1. "Multidimensional Digital Signal Processing Systems": Prof. H. K. Kwan. 2. "Session MAM1L-QP3: Adaptive Signal Processing I": Prof. Wei Xing Zheng. 3. "Digital Signal Processing": Prof. Yoshikazu Miyanaga. Due to SARS and to other reasons, many Session Chairs informed that they are not attending the conference. Prof. Tapio Saramäki substituted them in several DSP sessions.)
 - (e) Prof. Tapio Saramäki was a Member of the International Technical Program Committee of the 5th International Conference and Exhibition on Digital Signal

- Processing and its Applications (DSPA 2003), March 12–14, 2003, Moscow, Russia.
- (f) Prof. Moncef Gabbouj was chairman of NSIP Board and member of the TPC of NSIP 2003 IEEE - EURASIP Workshop on Nonlinear Signal and Image Processing, June 8-11, 2003, GRADO Congress Centre - TRIESTE , ITALY.
 - (g) Prof. Moncef Gabbouj was invited to give a plenary lecture at the Seventh International Symposium on Signal Processing, ISSPA 2003 1-4 July 2003, Paris, FRANCE. He also served in the Review Committee of ISSPA 2003.
 - (h) Profs. K. Egiazarian and T. Saramäki were Co-Chairmen together with Prof. Jaakko Astola of the Third International Workshop on Spectral Methods and Multirate Signal Processing (SMMSP 2003), September 13-14, 2003, Barcelona, Spain. The main purpose of the workshop was to bring together some of the leading experts working on transforms, filter banks, and multirate filtering in general and to create a friendly and relaxed atmosphere to talk about the most important issues in these fields. We managed very well and ended up with the proceedings of 36 articles See <http://sigwww.dmi.tut.fi/TICSP/>.
 - (i) Prof. Tapio Saramäki was a Member of the Scientific Committee of the European Conference on Circuit Theory and Design (ECCTD '03), Kraków, Poland, September 1–4, 2003.
 - (j) Prof. Tapio Saramäki was a Member of the International Program Committee of the IASTED International Conference on Circuits, Systems, and Signal Processing (CSS 2003), Cancun, Mexico, May 19-21, 2003.
 - (k) Prof. Tapio Saramäki was a Member of the International Steering Committee of the International Symposium of Signal Processing, Information and Communication Systems (ISSPICS 2003), September 8–10, Grand Regency Hotel, Nairobi, Kenya. Unfortunately, the symposium was cancelled.
 - (l) Prof. Tapio Saramäki was a Member of the Program Committee of the Third International Symposium on Image and Signal Processing and Analysis (ISPA 2003), Rome, Italy, September 18–20, 2003
 - (m) Profs. Tapio Saramäki and Karen Egiazarian organized two special sessions entitled “Transforms and Filter Banks” and “Spectral Methods and Multirate Signal Processing” at the 3rd International Symposium on Image and Signal Processing and Analysis (ISPA 2003), September 18–20, 2003, Rome, Italy.
 - (n) Prof. Y. Miyanaga was the General Co-Chair of ITC-CSCC 2003 (The 2003 International Technical Conference on Circuits/Systems, Computer and Communications) held in Phoenix Park in Kangwon-Do, Korea, July 7-9, 2003. IEICE was a Sponsor and IEEE CAS Society was a Technical Co-Sponsor for ITC-CSCC 2003.
 - (o) Prof. Y. Miyanaga was a member of the Steering Committee of the 2003 International Symposium on Communications and Information Technology (ISCIT 2003) held in BP Samila Beach Hotel and Resort, Songkhla, Thailand, 3-5 September 2003. ISCIT 2003 was organized jointly by IEEE Communication Society, IEEE Thailand Section, and IEICE.
 - (p) Prof. T. Stouraitis was member of the TP Committee PATMOS 2003 Sep., 2003.

- (q) Prof. Moncef Gabbouj was Technical Program chair of Third International Workshop on Content-Based Multimedia Indexing, September 22 - 24, 2003, IRISA, Rennes, France.
 - (r) Prof. T. Stouraitis was member of the TP Committee SiPS 2003 Oct., 2003.
 - (s) Prof. Yong Lian was the Chair and Organizer of the Special Session on “RF IC Design” at the 5th International Conference on ASIC, Beijing, Oct. 21–24, 2003.
 - (t) Prof. Yong Lian was the Technical Program Committee Member at the 5th International Conference on ASIC, Beijing, Oct. 21-24, 2003.
 - (u) Prof. I. Pitas was General Co-chair of the 1st EURASIP/IEEE Workshop on RichMedia, Lausanne, October 2003
 - (v) Prof. Y. Miyanaga was the General Chair of ISPACS 2003 (The 2003 IEEE International Symposium on Intelligent Signal Processing and Communication Systems) held in Awaji Yumebutai International Conference Center, Awaji Island, Japan, December 7-10, 2003. IEEE Communications Society and IEEE Signal Processing Society are Technical Co-Sponsors for ISPACS 2003. Prof. Moncef Gabbouj gave an invited plenary speech at ISPACS 2003.
 - (w) Prof. Zhiping Lin was the General Vice-Chair of the Fourth International Conference on Information, Communications and Signal Processing, 15-18 December 2003, Singapore.
 - (x) Prof. T. Stouraitis was a member of the TP Committee and Steering Committee of IEEE CASS-supported ICECS 2003 - held in Sarjah, UAE, Dec. 2003.
 - (y) Prof. Wei Xing Zheng was a Member of Technical Program Committee of 7th International Symposium on Signal Processing and Its Applications (ISSPA 2003), Paris, France, July 1-4, 2003.
- (3) On going Conferences or Workshops where the DSP TC or Members of the TC is/are actively involved include the followings:
- (a) 2004 First International Symposium on Control, Communications and Signal Processing, 21-24 March 2004, Hammamet, Tunisia. Prof. Moncef Gabbouj was the Technical Program Chair.
 - (b) Prof. Ravi P. Ramachandran is a member of the review Committee for ICASSP 2004.
 - (c) 2004 IEEE International Symposium on Circuits and Systems (ISCAS), Vancouver, Canada, May 23-26, 2004. (DSP Track Chair: Prof. T. Saramäki.) (Review Committee Members: Profs. Ioan Tabus, Markku Renfors, Olli Vainio, Segio Netto, H. K. Kwan, Mohammed Y. Niamat, Truong Nguyen, Dominic Ho, Zhiping Lin, Wan-Chi Siu, Yong Ching Lim, Yoshikazu Miyanaga, Yong Lian, Soontorn Oraintara, Maurice Bellanger, Karen Egiazarian, Josef A. Nosseck, Say Wei Foo, Moncef Gabbouj, Sergios Theodoridis, Yuan-Pei Lin, Ravi Ramachandran, Wei Xing Zheng, Lina Karam, Mohsin Jamali, P. P. Vaidyanathan, A. N. Venetsanopoulos, Wu-Sheng Lu, U. B. Desai, Masayuki Kawamata, Mohamed Najim, See-May Phoong, Ioannis Pitas, Enis Cetin, Takao Hinamoto, Andreas Spanias, Chan Shing-Chow, Håkan Johansson, and Thanos Stouraitis.)
 - (d) 2004 IEEE International Symposium on Circuits and Systems, Vancouver, Canada, May 23-26, 2004. (Publication Chair: Prof. Wu-Sheng Lu.) (Technical Program

- Committee Member: Prof. T. Saramäki-Digital Signal Processing Track; and Prof. H. K. Kwan-Neural Systems and Applications Track)
- (e) 2004 IEEE International Symposium on Circuits and Systems (ISCAS), Vancouver, Canada, May 23-26, 2004. (Co-Organizers and Co-Chairs of Invited Sessions: 1. "Frequency Response Masking Technique" (Sponsored by DSP TC): Prof. Yong Lian and Prof. Håkan Johansson. 2. "Advances in Speech Processing and Applications" (Sponsored by DSP TC): Profs. K. C. Ho, R. P. Ramachandran, and H. K. Kwan. 3. "Smart Multi-Media Systems" (Sponsored by DSP TC): Prof. Y. Miyanaga. 4. "Multirate Systems for Communications" (Sponsored by DSP TC): Prof. See-May Phoong and Yuan-Pei Lin.)
 - (f) 2004 IEEE International Symposium on Circuits and Systems (ISCAS), Vancouver, Canada, May 23-26, 2004. (Technical Session Chairs: 1. "FIR Digital Filters": Prof. Yong Ching Lim, Prof. Yong Lian. 2. "IIR Digital Filters": Prof. Håkan Johansson, 3. "Digital Filters": Prof. Takao Hinamoto, Prof. Håkan Johansson, 4. "Digital Filter Banks": Prof. Wu-Sheng Lu, Prof. See-May Phoong. 5. "Digital Signal Processing Applications I": Prof. Dominic K. C. Ho, Prof. Yuan-Pei Lin. 6. "Digital Signal Processing Applications II": Prof. Yuan-Pei Lin, Prof. Dominic K. C. Ho. 7. "Multidimensional Signal Processing I": Prof. Zhiping Lin, Prof. Ioannis Pitas. 8 "Multidimensional Signal Processing II": Prof. Soontorn Oraintara, Prof. Ioannis Pitas. 9 "Discrete-Time Transforms and Wavelets": Prof. See-May Phoong, Prof. Tapio Saramäki. 10 "Implementation of DSP Algorithms": Prof. Thanos Stouraitis. 11 "Digital Signal Processing": Prof. Tapio Saramäki. 12 "Detection and Estimation", Prof. Wei Xing Zheng, Prof. Moncef Gabbouj. 13 "Adaptive Signal Processing I": Prof. Uday B. Desai, Prof. Wei Xing Zheng. 14 "Adaptive Signal Processing II": Prof. Paulo Diniz, Prof. Uday B. Desai. 15 "Digital Signal Processing for Communications I": Prof. See-May Phoong, 16 "Digital Signal Processing for Communications II", Prof. Markku Renfors, Prof. Wei Xing Zheng. 17 "Audio and Speech Processing I": Prof. Yoshikazu Miyanaga, Prof. Sergios Theodoridis. 18 "Audio and Speech Processing II": Prof. Sergios Theodoridis, Prof. Yoshikazu Miyanaga. 19 "Digital Filters and Filter Banks": Prof. Andreas Spanias, 20 "Discrete-Time Transforms and Wavelets", Prof. Soontorn Oraintara. 21 "Digital Signal Processing I": Prof. Dominic K. C. Ho. 22 "Digital Signal Processing IV": Prof. Zhiping Lin. 23 "Digital Signal Processing V": Prof. Paulo Diniz. 24 "Digital Signal Processing VI": Prof. Wei Xing Zheng.)
 - (g) 47th IEEE International Midwest Symposium on Circuits and Systems (MWSCAS 2004), July 25-28, 2004, Hiroshima, Japan. (General Chair: Prof. Takao Hinamoto; Advisory Committee: Profs. M. N. S. Swamy, and A. N. Venetsanopoulos; Special Session Co-Chair: Prof. Wu-Sheng Lu; Publicity Committee: Profs. Yoshikazu Miyanaga, Y. C. Lim, Soo-Chang Pei, and Wan-Chi Siu; Digital Circuits and Computer Arithmetic Track Co-Chair: Prof. K. K. Parhi; Adaptive Signal Processing Track Co-Chair: Prof. P. S. R. Diniz; Image Processing and Multimedia Systems Track Co-Chair: Prof. S. Basu; Neural Networks and Fuzzy Systems Track Co-Chair: Prof. H. K. Kwan.)
 - (h) Prof. H. K. Kwan serves as a Program Committee Member of the 2004 IEEE Symposium on Neural Networks, Dalian, China, August 19-21, 2004.
 - (i) Profs. Karen. Egiazarian and Tapio Saramäki are Co-Chairmen together with Prof. Jaakko Astola of the 2004 International Workshop on Spectral Methods and

Multirate Signal Processing (SMMSp 2004) to be held in Austria Trend Hotel Ananas, Vienna, Austria, September 11-12, 2002. See <http://sigwww.dmi.tut.fi/TICSP/>. The main purpose of the workshop is again to bring together some of the leading experts working on transforms, filter banks, and multirate filtering in general and to create a friendly and relaxed atmosphere to talk about the most important issues in these fields.

- (j) Prof. T. Saramäki is a member of the International Technical Program Committee of the 6th International Conference and Exhibition on Digital Signal Processing and its Applications (DSPA 2004), March 31–April 2, 2004, Moscow, Russia. Prof. Moncef Gabbouj is invited to give a plenary speech at DSPA 2004.
- (k) Prof. T. Saramäki is a member of the Technical Program Committee of the 12th IEEE Mediterranean Electrotechnical Conference (MELECON 2004), Dubrovnik, Croatia, May 12–15, Dubrovnik, Croatia. His student Yaning Zou will take part in the Best Student Paper Award contest during the conference.
- (l) Prof. Tapio Saramäki is the Tutorial Chair and a Member of the Technical Committee of the Sixth Nordic Signal Processing Symposium (NORSIG 2004), Meripuisto, Espoo, Finland, June, 9–11, 2004. Furthermore, he is together with Prof. Farokh Marvasti arranging a tutorial entitled “Non-Uniform Sampling and Polynomial-Based Interpolation”.
- (m) Prof. Joseph B. Evans is the Co-Organizer and Co-Chair of the High-Speed Networking Symposium at the 2004 IEEE International Conference on Communications (ICC 2004), Paris, France, June 23-26, 2004.
- (n) Prof. Yong Lian is the General Co-Chair of the 2004 IEEE International Workshop on Biomedical Circuits and Systems, 1-3 Dec. 2004, Singapore.
- (o) Prof. Yong Lian is the Technical Program Committee Member of the 2004 Asia-Pacific Conference on Circuits and Systems.
- (p) Prof. Wei Xing Zheng serves as a Program Committee Member of the 2004 IEEE Symposium on Neural Networks, Dalian, China, August 19-21, 2004.
- (q) Prof. Y. Miyanaga is the General Chair of IEEE International Symposium on Communications and Information Technologies 2004 (ISCIT 2004) October 27-29, 2004, Sapporo, Japan.
- (r) Prof. Joseph B. Evans is a member of the Technical Program Committee at IEEE GLOBECOM 2004, Dallas, Texas, December 2004.
- (s) Prof. Wei Xing Zheng serves as a Program Committee Member of the 43rd IEEE Conference on Decision and Control (CDC 2004), Atlantis, Paradise Island, Bahamas, December 14-17, 2004.
- (t) Prof. Joseph B. Evans is a member of the Technical Program Committee at IEEE INFOCOM 2005, Miami, Florida, March 2005.
- (u) Prof. Y. Miyanaga is the General Chair of 2005 IEEE – EURASIP – IEICE Workshop on Nonlinear Signal and Image Processing, May 18-20, 2005, Sapporo, Japan.
- (v) 2005 IEEE International Symposium on Circuits and Systems (ISCAS), Kobe International Convention Center, Kobe, Japan, May 23-26, 2005. (DSP Track Chair: Prof. H. K. Kwan; Tutorial Chair: Prof. Y. Miyanaga.)

(4) Books and Book Chapters:

- (a) T. Saramäki, “Design of Computationally Efficient FIR Filters Using Periodic Subfilters as Building Blocks” in *The Circuits and Filters Handbook, Second Edition*, edited by W.-K. Chen, CRC Press, Inc., 2003.
- (5) Short Courses:
- (a) Prof. Tapio Saramäki has been since 1995 the main lecturer and organizer of four intensive DSP courses to the industrial people through EDUTECH, the organization of Tampere University of Technology taking care of educating people outside the university.
- (6) Plenary Sessions, Keynote Speakers, Invited Lectures:
- (a) Prof. Tapio Saramäki gave a keynote talk entitled “Efficient DSP Algorithms and Their Optimization for Signal Processor and VLSI Implementations” at the 5th International Conference and Exhibition on Digital Signal Processing and its Applications, March 12–14, 2003, Moscow, Russia.
 - (b) Prof. Y. C. Lim gave an invited talk at Fudan University, Shanghai, Jan. 2, 2003.
 - (c) Prof. Y. C. Lim gave an invited talk at Shanghai Jiao Tong University, Shanghai, Jan. 3, 2003.
 - (d) Prof. J. B. Evans gave an invited talk entitled “New Directions in Wireless Networking Research” at the NSF Workshop on Wireless Communications, Honolulu, Hawaii, USA, October 2003.
 - (e) Prof. I. Pitas gave an invited talk entitled 'Optimal watermark detectors', Symposium on Secure Communications, Kumbakonam, India Dec. 2003.
 - (f) Prof. I. Pitas gave an invited talk entitled 'Elastic graph matching techniques in Biometrics', COST275 Workshop on Biometrics, Vigo, Spain, 2004.
 - (g) Prof. J. B. Evans gave an invited talk entitled “The NeTS Program” at the NSF Wireless Networking PI Meeting, Charleston, South Carolina, USA, January 2004.
 - (h) Prof. J. B. Evans gave an invited talk entitled “Resilient Wireless Networks” at the IEEE Wireless Communications & Networking Conference, Atlanta, Georgia, USA, March 24, 2004.
 - (i) Prof. J. B. Evans participated in an invited panel on NSF activities at the 2004 Conference on Information Sciences and Systems, Princeton, New Jersey, USA, March 18, 2004.
 - (j) Prof. Yong Lian is Distinguished Lecturer of the IEEE Circuits and Systems Society.
 - (k) Prof. Moncef Gabbouj is invited to give a plenary speech at the 6th International Conference and Exhibition on Digital Signal Processing and its Applications (DSPA 2004), March 31–April 2, 2004, Moscow, Russia.
 - (l) Moncef Gabbouj gave an invited plenary speech at the 2003 IEEE International Symposium on Intelligent Signal Processing and Communication Systems held in Awaji Yumebutai International Conference Center, Awaji Island, Japan, December 7-10, 2003.

(m) Prof. Moncef Gabbouj was invited to give a plenary lecture at the Seventh International Symposium on Signal Processing, ISSPA 2003 1-4 July 2003, Paris, FRANCE. He also served in the Review Committee of ISSPA 2003.

(7) Editorial Services:

- (a) Prof. Tapio Saramäki and Dr. Yong Lian were Guest Editors, Circuits, Systems and Signal Processing, Special Issue on Frequency Response Making Technique and Its Applications, Vol. 22, No. 2, pp. 87–238 (8 articles).
- (b) Prof. Tapio Saramäki is Associate Editor, Circuits, Systems and Signal Processing.
- (c) Prof. Yong Lian is Associate Editor, IEEE Trans. on Circuits and Systems I.
- (d) Prof. Yong Lian is Associate Editor, Circuits, Systems and Signal Processing.
- (e) Prof. Yong Lian is Elected Chair of CAS Chapter, Singapore.
- (f) Prof. Zhiping Lin is Editorial Board Member, Multidimensional Systems and Signal Processing.
- (g) Prof. Zhiping Lin is Associate Editor: Circuits, Systems and Signal Processing.
- (h) Prof. Wu-Sheng Lu is Associate Editor for IEEE Trans. on Circuits and Systems, I, starting from Jan. 2004.
- (i) Prof. Truong Nguyen is Associate Editor, IEEE Transactions on Image Processing.
- (j) Prof. Truong Nguyen is Associate Editor, IEEE Signal Processing Letters.
- (k) Prof. Truong Nguyen is Associate Editor, IEEE Transactions on CAS II.
- (l) Prof. See-May Phoong is Associate Editor, IEEE Trans. Circuits and Systems II.
- (m) Prof. See-May Phoong is Associate Editor, IEEE Signal Processing Letters.
- (n) Prof. T. Stouraitis is Regional Editor-Europe, Journal of Circuits, Systems, and Computers.
- (o) Prof. T. Stouraitis is Associate Editor, IEEE Transactions on VLSI.
- (p) Prof. J. B. Evans is Associate Editor, IEEE Communications Letters.
- (q) Prof. Y. Miyanaga is Associate Editor, Journal of Signal Processing, Japan.
- (r) Prof. Y. Miyanaga is Editor, Special Issue on 2004 ITC-CSCC, IEICE, Japan.
- (s) Prof. Yuan-Pei Lin is Associate Editor, IEEE Signal Processing.
- (t) Prof. Wei Xing Zheng is Associate Editor, IEEE Trans. on Circuits and Systems I.
- (u) Prof. K. C. Ho is Associate Editor, IEEE Transactions on Signal Processing.
- (v) Prof. K. C. Ho is Associate Editor, IEEE Signal Processing Letters.
- (w) Prof. Ravi P. Ramachandran is an Associate Editor for the IEEE Circuits and Systems Magazine, the IEEE Transactions on Speech and Audio Processing and the journal Pattern Recognition.

(8) IEEE Services:

- (a) Prof. M. N. S. Swamy served as President-Elect of the IEEE CAS Society during 2003 and is now president for the year 2004.
- (b) Prof. M. N. S. Swamy served on the Steering Committee for the IEEE Transactions on Multimedia.
- (c) Prof. M. N. S. Swamy served on the Steering Committee for the IEEE Transactions on Mobile Computing.

- (d) Prof. M. N. S. Swamy served on the Steering Committee for the Midwest Symposium on Circuits and Systems.
- (e) Prof. H. K. Kwan serves as Chair (2003-2004), IEEE CAS Society, Neural Systems and Application Technical Committee.
- (f) Prof. H. K. Kwan serves as a member in the sub-committee for 2004 IEEE CAS Society Outstanding Young Author Award.
- (g) Prof. J. B. Evans is Chair, IEEE Communications Society Technical Committee on High-Speed Networking.
- (h) Prof. J. B. Evans is Technical Activities Committee, Secretary, IEEE Communications Society.
- (i) Prof. J. B. Evans is Distinguished Lecturers Committee, Chair, IEEE Communications Society.

(9) Other Activities:

- (a) Tampere International Center for Signal Processing (TICSP), Tampere University of Technology: The Center has acquired the status of Center of Excellence given by the Academy of Finland 2000-2005. The Director for TICSP is Prof. Jaakko Astola. Three of the DSP TC members, Profs. K. Egiazarian, M. Gabbouj, and T. Saramäki, are heavily involved in arranging the activities of TICSP. Profs. K. Egiazarian, M. Gabbouj, and T. Saramäki are the Team Leaders in SPAG (Signal Processing Algorithm Group). Several TC members (Profs. Pitas, Bellanger, Gabbouj and Nguyen) are members of the Advisory Board of TICSP. TICSP is an institute created to provide a proper environment for a rapid transfer of the latest ideas between first-class researchers in industry and academia. Its purpose is to provide a proper logistic, financial and human resource environment to adequately host exchanges of highly competent researchers. TICSP invites for periods of 2 to 12 months researchers at all levels: visiting professors, post-doctorate, and Ph.D. students, to engage research at the Signal Processing Laboratory in cooperation with the researchers of the neighbouring academic and industrial research institutes. The main purpose is to generate fruitful cooperation between scientists all around the world. Part of the activities of TICSP is organizing workshops. It has also its own publication series to appear twice a year. For more information, visit the homepage at URL: <http://sigwww.cs.tut.fi/TICSP/>.
- (b) Prof. Yong Lian has volunteered to set up and maintain our DSP TC web at <http://www.ieee-cas.org/> which serves to promote the goal of the DSP TC.

(10) Some News from the TC Members are listed below:

- (a) Prof. Tapio Saramäki was titled the Honorary Member of the Russian A. S Popov Society for Radio Engineering, Electronics, and Communications for great contributions to the development of digital signal processing theory and methods and great contributions to the consolidation of relationships between Russian and Finnish organizations. In <http://www.webstationone.com/fecha/popov.htm>, it has been mentioned: “(Russian scientist Alexander Stepanovitch) Popov definitely did become an inventor of radio, even if (Guglielmo) Marconi became known as the

- inventor of radio, but Popov hasn't been totally ignored in the history." Saramäki became the 80th honorary member of the above-mentioned society since 1945.
- (b) Profs. Tapio Saramäki and Håkan Johansson received the best paper award from their contribution T. Saramäki, J. Yli-Kaakinen, and H. Johansson, "Optimization of frequency-response masking based FIR filters," in the Special Issue on Frequency Masking Technique, guest-edited by Prof. Yong Ching Lim, *Journal of Circuits, Systems, and Computers (JCSC)*, Vol. 12, No. 5, pp. 563–590, Oct. 2003.
 - (c) Prof. Moncef Gabbouj appointed as the Head of the Institute of Signal Processing, Tampere University of Technology, starting January 2003.
 - (d) Prof. Thanos Stouraitis directs the newly established International multidisciplinary Graduate Program on "Signal and Image Processing," based at the University of Patras, Greece.
 - (e) Prof. Joseph B. Evans was appointed as a Program Manager in the Division of Computer and Network Systems, Directorate of Computer & Information Sciences and Engineering at the National Science Foundation, beginning in August 2003. He oversees a \$70 million portfolio of projects in networking systems, with a particular emphasis on wireless networks and network security.
- (11) Our DSP TC 2004 Annual Meeting is scheduled to take place on May 26, 2004 (Wednesday, 1:00 pm) during the 2004 IEEE International Symposium on Circuits and Systems, Vancouver, Canada, May 24-25, 2004.

Submitted by Prof. T. Saramäki, DSP TC Chair.

Date: April 16, 2004.