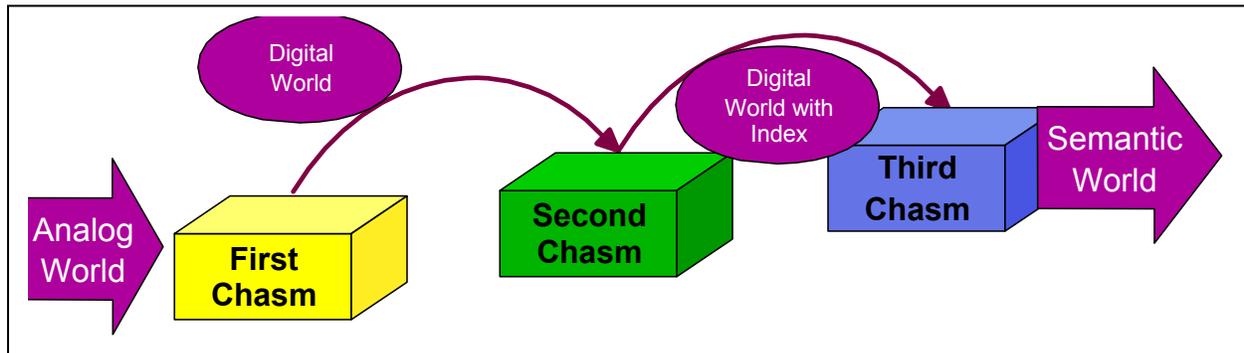


Multimedia Systems and Applications Technical Committee MSA TC 2001-2002 Committee Activities

Prepared by Dr. Chung-Sheng Li, past-Chair, and Prof. Liang-Gee Chen, Chair

Vision: Crossing the Chasms



The advances of multimedia technologies are strongly influenced by the necessity of the research and industry environment. It is possible to capture the evolution of the multimedia technologies by the following three phases:

- **First chasm:** The major advances during this stage are mostly driven by the need to capture the analog world in digital form. As a result, the major accomplishments include various coding and compression schemes, such as **JPEG**, **MPEG-1**, **MPEG-2**, **H.263**, **H.323**, **JPEG2000**, and **MPEG-4**. The main concern for compressing audio and image is lossy vs. lossless, and the amount of compression vs. signal-to-noise ratio for lossy compression. Motion compensation becomes one of the major concerns as we moved into video compression. Most of the initial implementations of various image and video codec have to be ASIC. The recent advances in DSP and general-purpose microprocessors have made it possible to conduct compression/decompression entirely in the software arena.
- **Second chasm:** As the amount of digital data such as images and video begin to accumulate, search and retrieval become one of the major challenges. As a result, the focus of crossing the second chasm is about how to create efficient and concise representation/indices of the digitized data to facilitate search and retrieval. These indices include low-level features (such as texture, color histogram for images) and high-level semantics. **MPEG-7** and a few other standards try to create interoperable definitions of these features and indices.
- **Third chasm:** There is still a tremendous gap between the low-level features extracted from the signals (audio, images, and video) and actionable “knowledge”. Only through knowledge models can we fuse data and information from multiple sources in multiple modalities. And there is no doubt that that the current and future efforts in the multimedia research are to provide intelligent extraction, annotation, and synthesis of models from data and information. These models can then be used to simulate predictions and generate corresponding actions. Once the semantic gap between information and data is removed, it is also more feasible to trade information, concepts, and media data in an information or media marketplace.

State of the Union

Research on multimedia systems and applications has advanced rapidly during the last decade. Its impacts have been highly visible in our daily lives. The major catalysts for the rapid advances include:

- Internet, which enable wide varieties of multimedia content to be available for browsing and downloading by anyone who has access to Internet.
- Semiconductor technologies, which enables virtually everyone to have affordable mechanisms to access the multimedia technologies

As a result, virtually every PC, laptop, and even the latest PocketPC (based on WinCE 3.0) come with a multimedia subsystem and has many multimedia capabilities. Consumer electronics multimedia systems such as DVD players (with MPEG2 decoder inside) have finally taken off and are currently penetrating our homes at an extreme speed. Multimedia applications such as digital libraries, distance learning, video conferencing, and universal multimedia access for pervasive devices have either taken place or are rapidly emerging.

These systems and applications have been very inter-disciplinary, and the IEEE Circuit and System Society has played an essential role in fostering the progress of these discipline.

The Multimedia Systems and Applications Technical Committee (MSATC) plays three important roles within the IEEE Circuits and Systems Society: (1) Champion those research areas which enable multimedia technologies (2) Champion those research areas which bring multimedia technologies into systems and applications (3) Introduce multimedia concepts, methods, and product into CAS operations.

The MSATC currently comprise 30+ members. The MSATC has been very actively participating in various technical activities of the CAS society: conferences, short courses, committee, publications, etc.

Scope of Multimedia

Prof. **Tsu-Han Chen**, member of this TC, has completed the revision of EDICS (see attachment A). The purpose of this EDICS is to provide a uniform classification of the papers submitted to Transactions on Multimedia and International Conference on Multimedia and Expo and the reviewers who are capable of reviewing these papers. The EDICS provides comprehensive scoping rules for the area of multimedia research. A total of eight major areas were identified:

- Signal processing for media integration
- Components and technologies for multimedia systems
- Human-machine interface and interaction
- Multimedia databases and file systems
- Multimedia communication and networking
- System integration

- Applications
- Standards

Charter of the Technical Committee

The charter (see attachment B) for MSATC is approved by the technical committee at May 7, 2001 TC meeting in Sydney.

Technical Committee Meeting

Two TC meetings have been held during 2001 – one in May during ISCAS 2001 in Sydney (see attachment C for meeting minutes), and one in August during ICME 2001 in Tokyo (see attachment D for meeting minutes). Both of the meetings were very well attended.

Awards and Recognitions

A number of TC members received awards and recognition during 2000-2001 time frame.

- Profs. **Liang-Gee Chen** and **Shih-Fu Chang** are currently in the 2001-2002 “*Distinguished Lectured Program*” of the IEEE Circuits and Systems Society.
- Dr. **Chung-Sheng Li** and Prof. **Yun-Qing Shi** have been selected by the DLP committee (chaired by Dr. Ellen Yoffa) to contribute to the 2002-2003 “*Distinguished Lectured Program*” of the IEEE Circuits and Systems Society.

Publications

In the publication activities, this TC has played a significant role in initiating the new IEEE Transaction on Multimedia (TMM). Currently, Prof. **Tsu-Han Chen**, also a member of this TC, is serving as the Editor-in-Chief, with many other members serving as the Associate Editor. Prof. **Liang-Gee Chen** and Prof. **M.N.S. Swamy** are serving as the CAS representatives to the Steering Committee of T-MM. Dr. **Tom Sikora** serves as the Editor-in-Chief of T-CSVT.

Our TC members also help in encouraging multimedia paper submission, reviewing, and serving editorial board for T-CSVT, T-VLSI, T-CAS Part I/II.

Conferences

In the conference activities, the MSATC has actively participated in organizing tutorial and special sessions for ISCAS 98, ISCAS 99, ISCAS 2000, ISCAS 2001, and ISCAS 2002.

- Dr. **Chung-Sheng Li** is serving as the multimedia track chair for ISCAS2001 in Sydney.
- Prof. **Liang-Gee Chen** served as the multimedia track chairs for ISCAS 2002 in Arizona.

- During ISCAS 2002, Dr. **Jie Chen** will organize a special session “Multimedia Watermarking”. This special session is expected to attract more attendances during ISCAS.
- During ISCAS 2001, Dr. **Jie Chen** contributes to a half-day tutorial session on “Understanding Emerging and Future Communication Technologies,” while Dr. **Chung-Sheng Li** contributes two sessions within the full-day tutorial session “Third-Generation Multiservice Wireless Network Architecture”, organized by Prof. Jamil Khan.
- During ICME 2001, Dr. Chung-Sheng Li contributes a half-day tutorial session on “Digital Library Techniques”.

Starting from 1999, MSATC has also helped to co-founded a new conference – International Conference on Multimedia and Expo (ICME) jointly with three other sister societies that also have multimedia TC – Computer Society, Signal Processing Society, and Communication Society. This new conference is the premiere multimedia conferences within the IEEE, replacing the original ICMCS (International Conference on Multimedia Computing and Systems). The second conference has been held in Tokyo Aug 2001, and was attended by 500+ people and has been a wildly successful event.

- Currently, Profs. **Liang-Gee Chen**, and **M.N.S. Swamy** are CAS representatives within the steering committee of ICME during 2002.

In addition, the MSATC also participated and/or co-sponsored many other conferences and workshops within or outside of the CAS society, including:

- International IEEE Conference on Electronics, Circuits, and Systems (ICECS) 2001 – Malta, Sept. 2-5, 2001.
- Workshop on Signal Processing Systems (SiPS) 2001 - Belgium, Sept. 26-28, 2001

Activities Plan

The activity plan for the coming year is as follow:

1. Provides the vision and strategy for developing the interests in multimedia systems and applications within the IEEE Circuits and Systems Society.
2. Actively participate in TC duties, encouraging paper submissions, and organizing special sessions and tutorials for ISCAS 2002 as well as other related conferences and workshop
3. Strongly support Transaction on Multimedia in encouraging library subscription, promotion, end encouraging multimedia paper submission
4. Strongly support ICME2001 and future ICME’s through encouraging paper submissions and organizing special sessions and tutorials
5. Recommending qualified persons to TMM, TCAS Part I and II, T-VLSI, and T-CSVT
6. Actively participate ACE courses
7. Recommend outstanding persons to CAS DLP
8. Pursue joint effort with other TCs to initiate inter-disciplinary research, education, and other technical activities
9. Explore and introduce new concepts and methods into various technical operations

Multimedia Systems and Applications Technical Committee 2001 Officer Report

Officers

Chair: Prof. Liang-Gee Chen

Contact info:

Prof. Liang-Gee Chen
Dept. of Electrical Engineering
National Taiwan University
Taipei, Taiwan
Tel: 886-2-2363-5251 ext 443
Fax: 886-2- 2363-8247
Email: lgchen@cc.ee.ntu.edu.tw

Past-Chair: Dr. Chung-Sheng Li
Term: 01/2000 – 12/2001

Contact info:

Dr. Chung-Sheng Li
IBM T. J. Watson Research Center
P. O. Box 704
Yorktown Heights, NY 10598
Tel: (914) 784-6661
Fax: (914) 784-7455
Email: csl@us.ibm.com

Secretary: Dr. Wai-Chi Fang

Contact info:

Dr. Wai-Chi Fang,
NASA's Jet Propulsion Laboratory, California Institute of Technology
MS 198-228, 4800 Oak Grove Drive, Pasadena, CA 91109 USA
Phone: (818) 354-4695; FAX: (818) 393-5007;
E-Mail: wai-chi.fang@jpl.nasa.gov

Attachment A.
Scoping of Multimedia (Edited by Prof. Tsu-han Chen)

EDICS	DESCRIPTION
1	SIGNAL PROCESSING FOR MEDIA INTEGRATION
1-CDOM	Compressed Domain Processing
1-CONV	Media Conversion
1-CPRS	Media Compression
1-JMEP	Joint Media Processing
1-PROC	3-D Processing
1-SYNA	Integration of Synthetic and Natural Audio/Video
1-SYNC	Synchronization
1-TCOD	Transcoding of Compressed Multimedia Objects
2	COMPONENTS AND TECHNOLOGIES FOR MULTIMEDIA SYSTEMS
2-ALAR	Algorithms/Architectures
2-CIRC	Low-Power Digital and Analog Circuits for Multimedia
2-DISP	Display Technology for Multimedia
2-EXTN	Signal and Data Processors for Multimedia Extensions
2-HDSO	Hardware/Software Codesign
2-MACH	Micromachining Devices for Multimedia
2-PRES	3-D Presentation
3	HUMAN-MACHINE INTERFACE AND INTERACTION
3-DSBL	User Interfaces for the Physically Disabled
3-MODA	Multimodal and Multimedia Environments
3-QUAL	Perceptual Quality and Human Factors
3-CONT	Presentation of Content in Multimedia Sessions
3-VRAR	Virtual Reality and Augmented Reality
4	MULTIMEDIA DATABASES AND FILE SYSTEMS
4-ANSY	Content Analysis and Synthesis
4-AUTH	Authoring and Editing
4-DLIB	Digital Libraries
4-KEEP	Indexing, Searching, Retrieving, Query and Archiving Databases
4-KNOW	Content Recognition and Understanding
4-SEGM	Image and Video Segmentation for Interactive Services
4-STRY	Video Summaries and Storyboards
4-TELL	Downloadable Descriptions of Scenes and Techniques
5	MULTIMEDIA COMMUNICATION AND NETWORKING
5-BEEP	Multimedia Traffic Management
5-HIDE	Error Concealment and Information Recovery
5-QOSV	Quality of Service

5-SECR Security
5-SEND Transport Protocols
5-WRLS Wireless Multimedia Communication

6 SYSTEM INTEGRATION

6-CADS CAD Tools and Synthesis for Multimedia Systems
6-OPTI System Optimization and Packaging
6-MMMR Multimedia Middleware
6-SYSS Operating System Support for Multimedia
6-WORK System Performance

7 APPLICATIONS

7-CONF Videoconferencing and Collaboration Environment
7-CONS Consumer Electronics and Entertainment
7-EDUC Education
7-MEDS Medicine
7-WEBS WWW, Hypermedia and Internet, Internet II

8-STDS** STANDARDS AND RELATED ISSUES

Attachment B.
Multimedia Systems and Applications Technical Committee (MSATC)
Charter

March 26, 2001

I. Purpose

The objective of the Multimedia Systems and Application Technical Committee (MSATC) is to promote the exchange of information on the latest results from both the research and development communities of multimedia technologies, systems, and applications.

More specifically this Technical Committee should

Setting up the strategies and directions of multimedia systems and applications for the IEEE Circuits and Systems Society,
Assist the planning and paper review of the multimedia track of ISCAS,
Assist the planning and paper review of ICME,
Assist the paper review process of Transactions on Multimedia,
Sponsor other multimedia related workshops and conferences.

II. Composition of the Technical Committee

The Multimedia System and Application Technical Committee (MSATC) are composed of committee officers and committee members.

A. Technical Committee Officers

The officers of the technical committee include (1) Chairperson, (2) Secretary and Chair-elect.

The Secretary (and the Chair-elect) of the Technical Committee is elected from among the Technical Committee members for a term of two years. The election of the secretary is held during the ISCAS conference. The term of the Secretary and Chair-elect starts at the following January 1 after the election. The Secretary assumes the Chair position of the Technical Committee on the third January 1 after the election.

B. Technical Committee Members

New members of the Technical Committee are nominated by at least one of the existing members of the Technical Committee. The Chair of the Technical Committee needs to circulate the bio and position statement from the candidates, and conduct a vote within the Technical Committee. A simple majority vote is needed for the acceptance of the new members.

III. Technical Committee Meetings

A Technical Committee meeting must be held at each ISCAS and ICME. If necessary, interim meetings can be called by the Technical Committee Chair or by a simple majority of the members and can also be held by electronic mail or by other means.

Technical Committee meetings are open to both members and non-members of the Technical Committee. However, only members of the Technical Committee will have the voting rights.

Technical Committee members are expected to attend the Technical Committee meetings either during ISCAS or ICME each year. The attendance requirement each year is established by attending either ISCAS or ICME (or both). Members who are not able to satisfy the attendance requirements for two consecutive years without giving sufficient cause are considered withdrawn from the Committee, subject to review by the Technical Committee.

Minutes will be taken by the secretary or other member of the Technical Committee designated by the Chair. The Chair will maintain minutes of the past Technical Committee meetings.

IV. Proxies

During meetings of the technical committee meeting, each voting member shall have one vote. A quorum both for face-to-face meetings and for email or phone meetings will be a majority (greater than 50%) of the number of franchised members of this Technical Committee. Written proxies may be submitted by electronic or postal mail to the secretary or the chair of this Technical Committee. Technical Committee members will be informed sufficiently in advance of any known motions to be voted on during a forthcoming meeting. The chair has the deciding vote in cases of tied votes.

V. Termination

The termination of this Technical Committee may be proposed either by the Circuit and System Society or this Technical Committee. Two thirds of the committee members have to approve the termination in the event that the termination is initiated by this Technical Committee.

VI. Amendments

Amendments to this charter require the approval by two thirds of the Multimedia Systems and Application Technical Committee members.

Document History: Submitted by _____ on _____

Attachment C.

Multimedia Systems and Applications Technical Committee Meeting Minutes (ISCAS 2001)

MSATC Meeting Minutes

Time: 18:00 - 21:30 (this is a record!)

Date: May 7, 2001

Location: Parkroyal Hotel at Darling Harbour, 150 Day Street, Sydney NSW
2000, Australia

during our ISCAS 2001 in Sydney, Australia.

Attendee (28) - This is record attendance! Thanks to everyone.

Chung-Sheng Li (cslie@ieee.org)

Wai-Chi Fang (wai-chi.fang@jpl.nasa.gov)

Bing Sheu (sheu@nassda.com)

Chung-Yu Wu (cywu@alab.ee.nctu.edu.tw)

Chua-Chin Wang (ccwang@ee.nsysu.edu.tw)

Tsung-Han Tsai (han@ee.ncu.edu.tw)

Oscal T.-C. Chen (oscal@ee.ccu.edu.tw)

Wen-Nung Lie (wnlie@ee.ccu.edu.tw)

Tihao Chiang (tchiang@cc.nctu.edu.tw)

Chin-Hwa Kuo (chkuo@mail.tku.edu.tw)

Jiwu Huang (isshjw@zsu.edu.cn)

Yun Q. Shi (shi@njit.edu)

Chung J. Kuo (kuo@ee.ccu.edu.tw)

Mohammad K. Ibrahim (ibrahimm@ccse.kfupm.edu.sa)

Moon Ho Lee (moonho@moak.chonbuk.ac.kr)

Oscar C. Au (eeau@ust.hk)

Jie Chen (chenjie@eng.umd.edu)

Liang-Gee Chen (lgchen@cc.ee.ntu.edu.tw)

Joern Ostermann (osterman@research.att.com)

Ming-Ting Sun (sun@ee.washington.edu)

Peter Pirsch (pirsch@mst.uni-hannover.de)

Yung-Chang Chen (ycchen@ee.nthu.edu.tw)

Ram Sridhar (rsridhar@cse.buffalo.edu)

Keshab Parhi (parhi@ece.umn.edu)

Ming Liou (eeliou@yahoo.com)

Weiping Li (li@webcasttech.com)

Huifang Sun (hsun@atl.mcitca.com)

Annual Report sent to Mona Zaghloul, VP - Technical Activities
(See attached file: Multimedia Systems and Applications Technical
Committee
MSA TC 2001.doc)

Agenda:

1) Introduction of committee members and officers

Attendance introduced themselves.

The officers include Chung-Sheng Li as the Chair, Liang-Gee Chen as the secretary and chair-elect.

The term of the current chair will expire on Dec. 31, 2001.

2) wish list from the members attending the committee meeting

- see more people to move up the ladder (Bing Sheu)
- more activities to help this TC to be recognized (Peter)
- to join this committee, help the committee to be more visible (Tihao)
- the society is big C and small S, we shall help the society to become big

S from this TC (Ibrahim)

- interactions among different media (Kuo)
- missing theoretic and scientific framework
- better food, everyone can submit more papers, better coordination with Visual TC (Ming-Ting Sun)
- good review system (Jie Chen)
- better award system
- bigger highly recognized and stronger momentum for this TC (Wai-Chi Fang)
- identify those subjects which are really multimedia (Yun Shi)
- more industrial participation (Oscal Chen)
- wish to be with big people, wish to be big one day (Oscar Au)

3) Revision of Agenda (all)

- voting on new membes: The committee has unanimously approved the nominations of four new members for this committee

Tihao Chiang (NCTU, Taiwan)

Yun Q. Shi (NJIT)

Wen-Nung Lie (CCU, Taiwan)

Chung J. Kuo (CCU, Taiwan)

4) Approval of Minutes from 2000 MSATC Meeting in Geneva and New York (all)

The agenda is in the Appendix C and D of the annual report - as attached above.

5) Report from Board of Governors meeting (Peter Pirsch, Bing Sheu, and Ming-Ting Sun)

- special support for students joining CAS
- encourage the members to take leadership role
- encourage TC to be more active in various society activities
- prepare short course on multimedia

6) Report from Technical Committee Chair Meeting (Joern Ostermann)

- society wants the TC to define benchmark papers/webpages
- we are encouraged to contribute more on DLP/awards
- develop CAS magazine articles to highlight the activities within this TC

7) Report from MSATC survey (Mohammad K. Ibrahim) - full report to be sent

by Mohammad later

excerpt from the survey: new areas need to be developed -

- system and circuit issues of implementation
- hardware and VLSI issues
- algorithms and VLSI issues
- analog co-design
- IP rights management
- display technology for multimedia
- micromachining devices for multimedia
- CAD tools for synthesis
- multimedia middleware

8) Technical activities

a) ISCAS Multimedia track report (Chung-Sheng Li)

- close to 85 papers received, about 55 papers accepted acceptance is slightly less than 70%
- issue: overlap of the technical areas between multimedia TC & visual technology TC

Motion: better coordination, adopt the principle of joint session with other TCs (proposed by Mohammad Ibrahim) - motion was adopted

b) SiPS'2001 report (Peter Pirsch)

- 90 papers accepted submitted 2001 SiPS - currently under review, currently inviting speakers

c) ICME 2001 and 2002 report (Ming-Ting Sun, Peter Pirsch & Chung-Sheng Li)

- about 400 papers received by ICME 2001
- Ming-Ting reported minimal involvement in the TPC activities due to distance and time zone difference
- The EPFL team (led by Prof. Kunt and Dr. Frossard) is going to organize ICME 2002
- solicitations for US and AP organizers for ICME 2003, 2004 are currently outstanding
- special session proposed by Peter

d) Multimedia Signal Processing Workshop (Peter Pirsch)

- we are slightly surprised by the existence of this workshop (and will affect ICME)

9) Activities in CAS publications

a) T-CSVT (Weiping Li)

- becomes monthly publication,
- has strong pipeline special issues,
- 9 month backlog,
- the term changes to calendar term
- best paper nomination receives ten nomination, recommend one to society,
- forming standing committee

b) T-MM (Ming-Ting Sun)

- has just finished the 3 year review and achieved a major milestone,
- being included in ASPP will enhance the capability of growth, two special issues, best paper award will be started next year

c) T-MC:

- a special issue is ongoing T-CSVT special issue on mobile computing
- this TC will try hard to contribute to the new transaction

This committee like to thank the extraordinary contribution made by both Weiping and Ming-Ting on both transactions.

10) TC membership (Chung-Sheng Li)

Currently, the TC meeting is being held twice a year - once during ISCAS and once during ICME. The current strategy for improve the quantity and quality of this TC is a simultaneous vertical and horizontal approach.

Through ISCAS and ICME each year, we are hoping to actively recruit those

active contributors to various sessions (tutorial, special session, oral and poster tracks). ISCAS will allow the attendee to work with other technical committee, as this committee has strong synergy with Visual Technology, VLSI, CAD, neural networks, among others. ICME will allow the

attendee to interact with multimedia researchers from other societies.

11) CAS Society Awards/Fellows

This technical committee like to congratulate both Liang-Gee Chen and Huifang Sun for being promoted to the 2001 class IEEE Fellow.

12) ad hoc subcommittee:

- we are forming a number of ad hoc subcommittee to define and track new initiatives

- TC members shall contact the person responsible for the ad hoc

committee

to join the committee

- TC chair is a default member of each ad hoc subcommittee - and will work

with each ad hoc committee to define the mission

- ad hoc subcommittee chair: please send your plan to Chung-Sheng Li within

the next 30 days

a. special session (ISCAS & ICME) - Jie Chen/Tihao Chiang/Peter Pirsch

Note: The TC chair like to propose to have Jie Chen, Tihao Chiang and Peter

work together to define our flagship special sessions. Please comment.

b. tutorial (ISCAS & ICME) & workshop (MPEG awareness): Wai-Chi Fang

c. transactions (T-MM, T-CSVT, T-MC): Liang-Gee Chen

d. awards & fellow program: Ming-Ting Sun

e. webmaster: Chin-Hwa Kuo

f. IEEE CAS magazine/IEEE Multimedia: Hui-Fang Sun/Chung J. Kuo

g. benchmark papers: Ming-Ting Sun/Hui-Fang Sun

h. future MSATC directions: Mohammad K. Ibrahim

i. DLP: Chung-Yu Wu

13) Other business/activities

- voting on MSATC charter (the latest version has been sent out just now):

will be voted through email.

- voting on new secretary (we need volunteer)

two candidates: Oscar Au (nominated by Jie Chen) & Wai-Chi Fang (nominated

by Oscar Chen). Wai-Chi Fang was elected as our new secretary, and will assume duty after Jan. 1, 2002.

14) Future TC meetings - the next TC meeting will be held in Tokyo, Aug. 22-25 (exact date TBD) during ICME 2001.

15) meeting adjourned

Chung-Sheng Li

Chair

MSATC

Attachment D.

Multimedia Systems and Applications Technical Committee Meeting Minutes (ICME 2001)

Date: Aug. 24, 2001

Time: 12:00PM-01:35PM

Location: Tokyo, Japan (co-located with ICME 2001)

Attendee (15):

Chung-Sheng Li, IBM (csli@ieee.org) - TC chair

Liang-Gee Chen, NTU (lgchen@ee.ntu.edu.tw) - TC chair elect

Tsung-Han Tsai, NCU (han@ee.ncu.edu.tw)

Yung-Chi Chang, NTU (watchman@video.ee.ntu.edu.tw)

Chin-Hwa Kuo, Tamkang Univ. (chkuo@mail.tku.edu.tw)

Jun Ohya, Waseda Univ. (ohya@giti.waseda.ac.jp)

Wen-Nung Lie, NCCU (walie@ee.ccu.edu.tw)

Chung J. Kuo, NCCU (kuo@ee.ccu.edu.tw)

Alex Loui, Eastman Kodak Co. (alexander.loui@kodak.com)

Ming-Syan Chen, NTU (mschen@cc.ee.ntu.edu.tw)

Ming-Ting Sun, UW (sun@ee.washington.edu)

Chia-Wen Lin, NCCU (cwlin@cs.ccu.edu.tw)

Peter Pirsch, Univ. of Hannover (pirsch@ims.uni-hannover.de)

Masao Ikekawa, NEC Lab. (ikekawa@bp.jp.nec.com)

Shih-Fu Chang, Columbia Univ. (sfchang@ee.columbia.edu)

1. Introduction of the members and officers of the MSATC.
2. Chung-Sheng Li reported the minutes of TC meeting in Sydney. Peter Pirsch suggested that the ICME steering committee shall work out with SPS to resolve the potential conflict between ICME and MMSP. Shih-Fu Chang suggested that we can potentially invite MMSP to co-locate with ICME to improve the attendance of both conferences.
3. Prof. Jun Ohya reported the experience of ICME 2001 organization and technical program. In particular, he reported the challenges in terms of the finance. There were about 400+ submitted papers, and 300+ of them were accepted.
 - a. Liang-Gee Chen suggested to invite more TC members to submit special session proposals
 - b. Shih-Fu Chang commenting on the competition between ICME and ACM multimedia, and the potentially conflicts in the submission deadlines
4. Trans. on Multimedia - Ming-Ting Sun (current EIC of TMM) reported the current status of TMM.
 - a. TMM has passed the three-year TAB review during Feb. 2001, which is a

major milestone of the transaction

b. page budget might be increased in the future, which allow growth of the

TMM both in terms of the number of special issue and the frequency of publication

c. manuscript central has recently started, and has received a lot of positive comments. Shih-Fu Chang gave his personal experience of the use of menucentral.

5. ad-hoc subcommittee report - eight ad hoc subcommittee were formed during our May 2001 TC meeting, and this is the first work-in-progress report by each ad hoc subcommittee chair:

a. Transaction - Liang-Gee Chen reported the progress of nominating new candidates to serve on the editorial board for T-CSVT and T-MM

b. Fellow and Award program - Ming-Ting Sun reported the current status on

this program, and commenting on inviting existing IEEE fellows to give tutorials on this program to the entire TC

c. webmaster - Chin-Hwa Kuo reported the progress on the current web design

d. benchmark papers - Ming-Ting Sun reported his current thoughts on soliciting the opinions for the benchmark data. Shih-Fu commented on an existing collection of readings in the area of multimedia, Peter Pirsch commenting on inviting additional members to the committee.

e. CAS magazine - Chung J. Kuo reported the current progress of his thoughts regarding to setting up guidelines for MM-related articles for the CAS magazine.

6. new TC member candidates introduced during this meeting:

a. Peter Pirsch introduced Masao Ikekawa (NEC Lab)

b. Ming-Ting Sun introduced Chia-Wen Lin (National Chung Cheng University)

c. Liang-Gee Chen introduced Tsung-Han Tsai (National Central University) the bio and position statement will be sent to the whole TC in a few days,

and we will have an e-ballot immediately after the bio and position statement are sent.

7. The MSATC commended and thanked the great effort that Prof. Jun Ohya put

in the organization of ICME.

8. Adjourn