AES 11th Regional Convention, Tokyo
"Audio Engineering in the New Century"

July 7-9, 2003
Science Museum, Tokyo

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Science Museum
('Kagaku-gijyutsu-kan' in Japanese)
2-1 Kitanomaru-koen Chiyoda-ku,
Tokyo 102-0091, Japan
phone +81 3 3212 3939

Nearest Stations
Takebashi station of Tozai Line (1B exit).
Kudan-shita station of Tozai Line,
Hanzomon line and Shinjuku line (2 exit)

Audio Engineering Society Japan Section
convention@aes-japan.org    http://www.aes-japan.org
The enduring dream of the Surround Sound
Isao Tomita, Composer

Mr. Isao Tomita, who has been very active in composing music for synthesizers such as “Moog” since 30 years ago, will talk about his musical expression with Surround Sound. He will also demonstrate some of his music pieces including “Genji-monogatari” and “Planets”, with their making.
WS1  Tuesday, July 7 9:00-10:55 Room 11
Chair: Kenji Saitou
Institute of Sound Techniques
--- Technology and Future Trends
Technical presentations are made on the next-generation optical disc system Specification, DVD (Advanced Optical Disc) and Blu-ray Disc.
Panelists: Hiroshi Yamada, Toshiba, DVD Forum TC; Tadashi Mould, Hitachi Ltd.

WS2  Tuesday, July 7 14:00-15:00 Room 6
Chair: Kimi Hara
Japan Broadcasting Corporation
Sound Systems for Digital Cinema Theatres
As the cinema industry faces the wave of digital, the audio engineers need to get digital technologies for not only production but also sound systems in cinema theatres.
This workshop will present the next digital cinema sound system with the demonstration and discussion of leading industry professionals from the areas of research, production, operations and BRIE engineers for cinema sound.

WS3  Thursday, July 7 14:00-17:00 Room 6
Chair: Kazutaka Uchimura
Japan Broadcasting Corporation
The forefront of Digital Console
There are many kind of Digital consoles in the market, such as large format console for the production facilities to small format console for the location of the moment.
Each manufacturer explains that features, key points and their futures.

WS4  Thursday, July 7 12:00-13:25 Room 11
Chair: Kazutaka Uchimura
Japan Broadcasting Corporation
Practical Guide for Surround Production (Music Recording)
There are 3 days sessions for Surround Production. We will talk to top level broadcasters, real surround production, mixing techniques, explained by Music engineer, Post Production Engineer, Broadcast engineer.
Every day, Surround Production for Music recording.
Panelists: Akira Fukuda, Sony Broadcasting Corporation.

WS5  Thursday, July 7 13:30-14:30 Room 11
Open from this October!
Technical format and Program service for Digital Radio Broadcasting
We are going to get started digital radio broadcasting in Tokyo and Osaka, Japan in October this year. We will show you around the essence and characteristics of the broadcasting, by talking about the technical format, program services, and some information about development of receivers.

WS6  Tuesday, July 7 9:00-10:55 Room 11
Chair: Akira Fukuda
Japan Broadcasting Corporation
--- Hi-Resolution Recording
The present situation of Hi-Resolution Recording
Panelists: Atsuo Fujita, Technocheck, Masayuki Mould, Sony Corporation Home Network Company, Yoshitake Mori, Matsushita Electric Industries Co., Ltd., DVD Forum WG.
We would like to discuss the items focusing on the present recording situation of Hi-resolution audio include DVD-Audio and DVD-Audio, the new DVD Family Specification, will be presented.

WS7  Tuesday, July 7 11:00-12:00 Room 11
Chair: Hiroki Suzuki
JVC, DVD Forum WG
DVD-Audio Recording Specifications and DVD-Audio Update
The status quo of DVD-Audio and DVD-Audio, the new DVD Family Specification, will be presented.

WS8  Tuesday, July 7 12:10-13:40 Room 11
Chair: Kazutaka Soneya
Sony PCL Inc.
Surround audio for game media
The remarkable development of software and hardware for surround audio is founded in game media. This workshop will focus on it and use demonstrations. The demonstrations for hardware is interactive surround sound with Dolby and the demonstrations for surround sound for game will be PENNY-FANTASY.

WS9  Tuesday, July 7 13:30-15:50 Room 11
Chair: Kenji Saitou
Electronic Japan
--- From Basic to Surround sound
The forefront of Digital Console
A concept and easy explanation of important hint to succeed Surround Recording based on Technical guidelines of Physics and Psycho-aesthetic.
Panelists: David Greenberg, Leon K.
Presenter: Kazunori Homma, Sony Broadcasting Corporation
Interpreter: Ken'ichi Homma, Sony Broadcasting Corporation

WS10  Tuesday, July 7 15:00-16:30 Room 11
Chair: Takashi Yamamoto
President of the AES JCC
--- Practical Guide for Surround Production (Postproduction)
The Physics and Psycho-Acoustics of Surround Recording
Panelists: Hiroshi Nakazato, Dolly Japan Inc., Atsuko Nakamura, DTS Japan Office, Eiji Nakamura, Hit A.I. Sound
Mr. Jou Wada, SCHALLTECHNISCH, will talk about the microphone technique of surround recording and all the technicians microphones.

WS11  Tuesday, July 7 9:00-10:55 Room 11
Chair: Kazutaka Uchimura
Japan Broadcasting Corporation
Practical Guide for Surround Production (Postproduction)
The Physics and Psycho-Acoustics of Surround Recording
Panelists: Hiroshi Nakazato, Dolly Japan Inc., Atsuko Nakamura, DTS Japan Office, Eiji Nakamura, Hit A.I. Sound
Mr. Jou Wada, SCHALLTECHNISCH, will talk about the microphone technique of surround recording and all the technicians microphones.

WS12  Tuesday, July 7 9:00-10:25 Room 11
Chair: Hirokazu Nakashima
Japan Broadcasting Corporation
The existing state and the point of BWF format
We would like to explain BWF format and demonstrate the compatibility between some MO-disk recorders based on BWF format.

WS13  Tuesday, July 7 10:30-12:30 Room 1
Chair: Takeshi Yamamoto
President of the AES JCC
Production of Multichannel Music with Better Surround Sound Effect
Panelists: Masayuki Morimoto, Keio University, Atsushi Kikumori, Japan Broadcasting Broadcasting Corporation, Kenta Komata, Sony Broadcasting Corporation, Ayafumi Taniji, Sony Broadcasting Corporation, Hiroshi Nakazato, Dolly Japan Inc.
The workshop is a chance to discuss how we can produce multichannel music with better surround sound effect.

WS14  Wednesday, July 8 9:30-11:30 Room 11
Chair: Toshiyuki Iwata
Japan Broadcasting Corporation
Desktop production hands-on seminar
Panelists: Takahiro Yamamoto TAC System Inc., Yoshitake Koyama Avid Japan K.K., Satoshi Yamada DSP Japan LTD., Yoshinori Matsuoka Sony Broadcasting Corporation

WS15  Wednesday, July 8 12:00-14:00 Room 1
Chair: Kiyoshi Tagumoto
NHK Technical Service Inc.
Better Audio Balance Broadcasting service for Audience
Panelists: Hidehiko Nakamoto, Japan Broadcasting Broadcasting Corporation, Thomas Lund, TC Electronic, Yosuke Mochon, TC Electronic Japan, Koichi Kawai, Japan Broadcasting Broadcasting Corporation, Hideki Tagamata, YAMAHA Corporation
In the workshop technical problems will be discussed with existing system with audio broadcasting for fidelity listeners, and also sound level monitoring system using the loudness level meter for better balance of average loudness level among various kinds of program.

WS16  Wednesday, July 8 14:30-16:30 Room 11
Chair: Kazutaka Soneya
Sony PCL Inc.
Audio production in HD2IP
HD2IP has become popular in this occasion in Japan. Audio production in HD2IP, however, has involved various problems. This workshop reports on the recent status of audio production in HD2IP and suggests on it.

WS17  Wednesday, July 8 9:00-10:25 Room 11
Chair: Kazutaka Uchimura
Japan Broadcasting Corporation
Practical Guide for Surround Production (Live Broadcasting)
Panelists: Satoshi Kanai TV Audio Production
This workshop is a chance to discuss how we can produce multichannel music with better surround sound effect.

WS18  Wednesday, July 8 10:30-12:30 Room 11
Chair: Masakazu Nakahara
NHK Sound Corporation
Approach to the successful encoding for surround media
Know how of the encoding operations for Dolby AC-3 and MBDI-2AC is presented. Operating process, handling of metadata and its effects on playback sound, and encoding systems are displayed with demonstrations.

WS19  Wednesday, July 8 10:30-11:30 Room 11
Chair: Tadahiko Morikawa
Matsushita Electric Industrial Co., Ltd.
Trend of Digital Signal Transmission for Audio
Signal transmission format for audio have been changed from analog to digital with the advance of digital audio systems. And now, we have various format of it. In this session, we'll explain and discuss these digital signal transmission systems. "Digital Radio Microphone", "CobraNet" and "RedIP".
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Product Seminars

Monday, July 7 14:30-17:30
Room 11
Presented by TOYO Corporation

(1) Testing Challenges in Personal Computer Audio Devices
Presenter: Shinji Takatsuki, Toyo Corp., Wolfegang Klippel, Klippel, Peter Larson, Looswift

(2) Assessing Large Signal Performance of Transducer

(3) Geometrical Stiffness of Loudspeaker Cones

Presenters: Shinji Takatsuki, Toyo Corp., Wolfegang Klippel, Klippel, Peter Larson, Looswift

PD1

Tuesday, July 8 10:30-11:30
Room 11
Presented by Apple Japan, Inc.

Professional Audio Solutions on Mac OS X
Presenter: Tatsuya Kusihiti, Apple Japan, Inc.

This seminar presents Professional Audio Solutions on Mac OS X and the latest Apple advantages, and it will show the merit to transfer from Mac OS 9 environment. (Supported by Tac system, Inc.)

PD3

Wednesday, July 9 12:00-17:00
Room 1
Presented by Euphonix Japan, Steinberg Japan, TC Electronic Japan

System Integration of Surround Sound Mixing System ---Part 1
Presenter: Satoshi Tomita, Composer

First day, Surround Sound Mixing-the guest speaker is Satoshi Tomita who has been composed and created a new field of modern art of music including Synthesized Sound Production. Mr. Tomita introduces his magic of creating new DVD-A 4.1 album of "The Planet 2003" He will also introduce his other works. Supported by Columbia Music Entertainment.

PD2

Wednesday, July 9 12:30-18:00
Room 11
Presented by Digidesign Japan

Backup and Network possibility for Digital Audio Workstation
Presenter: Takahiko Yamamoto, Tac System, Inc.

Recently storage media was changed so, DAW data compatibility for the future is important. We introduce history and now, then futures possibility for storage, backup, archive media and network solutions.

PD5

Wednesday, July 9 14:00-15:00
Room 11
Presented by YAMAHA Corporation

Yamaha’s brand new algorithm of surround effects for post-productions and mastering effects based on the modeling technology
Presenter: Atsushi Kusahashi, Yamaha Corp., Toshiyuki Kusumoto, Yamaha Corp.

The introduction of developing effect technics preceded the launching products.

PD6

Tuesday, July 8 12:30-13:30
Room 11
Presented by TAC System, INC.

What is THX pm3 ?

---the effective design way for a professional multichannel studio
Presenter: Atsuro Ikeda, SONA Corp.

The features of M&K professional loudspeakers and surround sound monitoring environment
Presenter: Shinichi Uooka, SONA Corp.

The features of M&K Professional loudspeakers that top-class engineers recognize as the world standard monitor and its demonstrations will be shown. The latest techniques for surround monitors will be also reported.

PD8

Wednesday, July 9 14:30-15:00
Room 11
Presented by Euphonix Japan, Steinberg Japan, TC Electronic Japan

High Resolution MICROPURE™ Professional Speaker System for Studio Monitors and Home Theatres
Presenter: Sakuiji Fukuda, Pastoral Symphony Company, Ltd., Makoto Imamura, Ichihaya Company Ltd.

Slim column type speaker system called “Micropure Panel Speaker” having rich bass and low distortion is lectured and demonstrated by Sakuiji Fukuda, the developer, and by Makoto Imamura who is currently using the system in his studios for authoring sound for picture programs. The system features a unique speaker configuration that the tweeter and woofer are indirectly mounted on the front panel providing a thin air gap. This minimizes undesirable panel vibration and a pressure buildup inside the enclosure and allows to radiate a controlled amount of sound generated from the back of the diaphragm. Micropure Speaker System is ideal for recording studios and home theaters.

PD11

Wednesday, July 9 15:00-17:00
Room 11
Presented by TOARITEC Corporation

Brief explanation about “Bass management in Surround monitoring”, including theory and practice offered by GENELEC.

PD12

Wednesday, July 9 12:00-17:00
Science hall
Presented by Euphonix Japan, Steinberg Japan, TC Electronic Japan

System Integration of Surround Sound Mixing System ---Part 3
Presenter: Kazuhire Tokieda, Columbia Music Entertainment

Third day, the guest speaker is Hirokazu Tokieda, Chief Engineer of Columbia Music Entertainment and he will mix multitrack live recording down to 5.1 surround sound. R1 Multitrack recorder was used to record live concert of Japan’s best Jazz Trio, Takeshi Inomata (Drum), Norito Maeda (Piano) and Yasuo Arakawa (Bass). It was recorded by Columbia Music Entertainment in multitrack surround sound at 24bit 96KHz. Supported by Columbia Music Entertainment Permission to use recorded material granted by RCC Sticks.

PD14
AES 11th Regional Convention, Tokyo
Exhibition
Room 8, Room 9
Monday, July 7  10:00-18:00  Tuesday, July 8  10:00-18:00  Wednesday, July 9  10:00-17:00

NIHON ELECTRO HARMONIX K.K.
EX10
Universal Andio
LA-2A, 1176LN, 2-610, M610, 2108, 6176
Antares
ATR-1a, AVP-1

OTARITEC CORP.
EX11
DA-12, DA-203, Dosh Ra-Bito, LA-2O5, Z-Trak, Digital On Air Mixer
DA-96, 96-LA, Dosh Ra-Bito, LA-2O5, Z-Trak, Digital On Air Mixer
DA-96, 96-LA, Dosh Ra-Bito, LA-2O5, Z-Trak, Digital On Air Mixer

DSP JAPAN LTD.
EX12
Dynasys Virtual Studio, Mapping Technologies S.A. (Hamburg)
Dynasys Virtual Studio, Mapping Technologies S.A. (Hamburg)
Dynasys Virtual Studio, Mapping Technologies S.A. (Hamburg)

NIHON ELECTRO HARMONIX K.K.
EX10
 Universal Andio
LA-2A, 1176LN, 2-610, M610, 2108, 6176
Antares
ATR-1a, AVP-1

OTARITEC CORP.
EX11
DA-12, DA-203, Dosh Ra-Bito, LA-2O5, Z-Trak, Digital On Air Mixer
DA-96, 96-LA, Dosh Ra-Bito, LA-2O5, Z-Trak, Digital On Air Mixer
DA-96, 96-LA, Dosh Ra-Bito, LA-2O5, Z-Trak, Digital On Air Mixer

SANKEN MICROPHONE CO., LTD.
EX14
Shure SM58/SM57/SM63, SM58, SM57, SM63 Short-throw microphone CS-1
Oktava MKII, MKII, MKII, MKII

STEINBERG JAPAN INC.
EX12
OCTAVIA Media Production System
Octavia Media Production System
Octavia Media Production System

SOLID STATE LOGIC JAPAN K.K.
EX15
OCTAVIA Media Production System
Octavia Media Production System
Octavia Media Production System

IAI & COMPANY, LTD.
EX1
Siedrich, Riedel & Co. (Germany) XCHIPS/DSP Microphone

MTS CO., LTD.
EX3
Time Code Reader for FM Radio Station

TOYO CORP.
EX4
Audio Analyzer, Audio Oscillator, Audio Speaker Analyzer System

YAMAHA CORP.
EX16
Digital Production Console DM2000/DM1000
Digital Mixing Console RX-811/RX-810

SONY MARKETING (JAPAN) INC.
EX15
Sony D-1000 Mini DSD Recorder, D-1000 Recording Console
SONY D-1000 Mini DSD Recorder, D-1000 Recording Console
SONY D-1000 Mini DSD Recorder, D-1000 Recording Console

TAC SYSTEM INC.
EX6
DAC, DVD Media Player, DVD Video System

ETANI ELECTRONICS CO., LTD.
EX7
Professional Stereo Decoder, Professional Audio, Professional Audio

SONA CORPORATION
EX9
Professional Hi-Fi Monitor System, Professional Hi-Fi Monitor System

KAJIMA, Taguchi
EX9
Professional Hi-Fi Monitor System, Professional Hi-Fi Monitor System

FLOOR MAP