



JSAE Automotive Air-Conditioning CONFERENCE 2006

Society of Automotive Engineers of Japan/ Technical Session Meeting “Environments in vehicles”



Chairman: Kazuhiko Matsunaga (Isuzu Motors Limited)

Objective

M.A.C. (Mobile Air Conditioning) systems have been installed in most production automobiles in the world. Automobiles sold have been going up on worldwide view. M.A.C. system has influence on not only the heat feeling for passenger but also fuel consumption and global environment.

“The review of Automotive Air-Conditioning 2000“ had already been published in 2000 and we have been updating “The review of Automotive Air-Conditioning 2005“ including the latest technical papers based on the previous review.

Our committee is planning JSAE Automotive Air-Conditioning CONFERENCE 2006. This conference focuses on the latest technology picked up by “The review of Automotive Air-Conditioning 2005“ and will be presented by the specialists from various industries.

You are very welcome to join this conference. We expect you enjoy it.

CONFERENCE TITLE

“The review of Automotive Air-Conditioning 2006“

Dates

Mar 13 - 15, 2006

Venue



<http://www.nyc.go.jp/>

Organized

Society of Automotive Engineers of Japan/ Technical Session Meeting “Environments in vehicles”

Organized and Sponsored by

Society of Automotive Engineers of Japan (JSAE)
10-2 Gobancho, Chiyoda-ku, Tokyo, 102-0076 Japan
Phone: +81-3-3262-8211, Fax: +81-3-3261-2204

http://www.jsae.or.jp/index_e.html

Co-Sponsored by

Japan Automobile Manufacturers Association (JAMA)
Japan Auto Parts Industries Association (JAPIA)

In Cooperation with

Japan Refrigeration and Air Conditioning Industry Association (JRAIA)
Japan Industrial Conference for Ozone Layer Protection (JICOP)

Languages

The symposium will be conducted in English and Japanese with simultaneous interpretation.

Registration Secretariat

All inquiries related to this symposium should be directed to the following contact person.

Hiorshi Muto (Mr.)
Professional Meeting Team
Society of Automotive Engineers of Japan (JSAE)
10-2 Gobancho, Chiyoda-ku, Tokyo, 102-0076 Japan
Phone: +81-3-3262-8216, Fax: +81-3-3261-2204, E-mail: Muto@jsae.or.jp

Registration Fee: ¥31,500

Program

<i>1st day (Monday, Mar13th)</i>		
9:30~10:00		Opening Address Kazuhiko Matsunaga, Chairman of JSAE Cabin Environment Technology Committee
10:00~11:00	1.1 1.2	Technical Session 1 Moderator: Osamu Ishida, Honda R&D Co., Ltd Yasuo Moriyoshi, Chiba University <i>“Development of Quick Response Gas Temperature Measurement Using Two-Wired Thermocouple”</i> YANG, Jeong-Hoon, Institute of Industrial Science, the University of Tokyo <i>“Measurement of Air Velocity and Ventilation Efficiency Distributions in a Modeled Car Space”</i>
11:00 ~ 12:00		<u>Key note speech</u> Shinsuke Kato, Institute of Industrial Science, the University of Tokyo <i>“Investigation of Ventilation Efficiency in an Enclosed Space with CFD and its Applications”</i>
12:00~13:00		Lunch
13:00~14:00		Moderator: Yoshiichi Ozeki, Asahi Glass, Ltd <u>Key note speech</u> Bjarne Olesen, DTU <i>“Evaluation of thermal comfort and indoor air quality in vehicles according to international standards”</i>
14:00~15:00	2.1 2.2	Technical Session 2 Moderator: Yasushi Kamikura, Hino Motors, Ltd. Itsuhei Kouri, Musashi Institute of Technology <i>“Assessment of Thermal Environment in a Vehicle Compartment”</i> Tomonori Sakoi, National Institute of Advanced Industrial Science and Technology <i>“Prediction of Thermal Comfort in Non-uniform Thermal Environment”</i>
15:00~15:10		Refreshment break
15:10~16:10	3.1	Technical Session 3 Moderator: Yasushi Kamikura, Hino Motors, Ltd. Hiroki Nagayama, NISSAN Motor Co., Ltd.

	3.2	“Effects of environment in sun-heated cars on passengers’ thermal-permission” Hidenori Esaki, Honda R&D Co.,Ltd. “A combined analysis of human and seat thermal models with cabin CFD for prediction of thermal sensation and comfort”
16:10~17:10		Key note speech Shouzo Nakayama, TOYOTA INDUSTRIES CORPORATION “Manufacturing”
17:10~18:00		Break
18:00		Welcome reception (SAKURA)

2nd day (Tuesday, Mar14th)		
9:00~10:00		Moderator: Kiwamu Inui, Toyota Motor Corporation Key note speech Tohru Ikegami, Toyota Motor Corporation “JAMA Activity for Reducing Global Warming Impact from MAC Refrigerant”
10:00~11:00	4.1 4.2	Technical Session 4 Masato Kaneko, Idemitsu Kosan Co.,Ltd “The Development of PAG Refrigeration Lubricants for Automotive A/C with CO2” Toshiyuki Motohashi, CalsonicKansei Corp. “Development of Cold Catalyst Filter”
11:00~12:00		Key note speech Akio Morishita, DENSO CORPORATION “The Future for Mobile Air Conditioning To Young MAC Engineers: Challenges on New Product Design and Development”
12:00~13:00		Lunch
13:00~14:00		Moderator: Hideto Noyama, Mitsubishi Heavy Industries, Ltd. Key note speech Stephen Andersen, EPA “U.S. EPA Efforts to Reduce and Eliminate MAC Greenhouse Gas Emissions”
14:00~15:00	5.1 5.2	Technical Session 5 Toshiyuki Nagashima, ShowaTansan Co.,Ltd “CO2 Injection System” Etsuo Shinmura, Showa Denko K.K. “Development of High-Performance CO2 Evaporator”
15:00~15:10		Refreshment break
15:10~16:10	6.1 6.2	Moderator: Yuki Hori, Mitsubishi-fuso Truck & Bus Corporation Technical Session 6 Eiji Kumakura, Daikin Air-conditioning and Environmental Laboratory, Ltd. “Development of Two-Phase Flow Expander for CO2 Heat Pumps and Air-Conditioners” Toshio Shudo, Hokkaido University “Heat Transfer and Thermal Efficiency in Hydrogen Combustion Engines”
16:10~17:10		Key note speech Eiji Hihara, the University of Tokyo “Fundamental Technology for Carbon Dioxide Operated Heat Pumps”
16:10~17:10		Closing
17:10~18:00		Break
18:00		Banquet(Reception)

3rd day (Wednesday, Mar15th)		
9:00~12:00	7.1	Moderator: Tomohisa Imafuji, Sanden Corporation Technical Session 7 Kouichi Tatsu, ISUZU ADVANCED ENGINEERING CENTER,LTD.

	7.2	<p><i>“Cabin Air Quality and Evaluation method”</i></p> <p>Kunihiro Hoshino, GL Sciences Inc. <i>“Measurement of VOC and SVOC emitted from automotive interior materials by thermal desorption test chamber method.”</i></p>
	7.3	<p>Katsuji Sato, Kaneka Techno Research Co.,Ltd. <i>“Measurement of Emission Rates of Carbonyls and VOCs from Vehicle Interior Materials.”</i></p> <p>Masafumi Morimoto, EPPEC Corp <i>“The measurement example of the chemical emission from building materials, automobile interior material and home electronics, by the chamber method.”</i></p>
9:00~12:00		<p><u>Key note speech</u></p> <p>Wensing, WKI <i>“Evaluation of chemical emissions inside from cars”</i></p>
12:00~13:00		Lunch
13:00~14:00		<p>Moderator:Nobuo Nakano, Rikenkeiki Corporation</p> <p><u>Key note speech</u></p> <p>Shin-ichi Tanebe, Waseda Univ <i>“Human Factors of HVAC and Energy of Automobile</i></p>
14:00~15:00		<p>Technical Session 8</p>
	8.1	<p>Tetsuji Ukita,Mitsubishi Motors <i>“The prediction technique trend of the car air conditioning. ~JSAE AC review section No.6~”</i></p>
	8.2	<p>Toru Komotriya, FUJI HEAVY INDUSTRIES LTD. <i>“Approach to Simulation of Underhood Thermal Management”</i></p>
15:00~15:10		Refreshment break
15:10~16:10		<p>Moderator: Takakazu Matsuo,Espec, Ltd.</p> <p>Technical Session 9</p>
	9.1	<p>Shinichi Hara, Valeo Thermal Systems Japan <i>“New Production Technology for Improvement of Comfort in the CarCompartment. ~JSAE AC review section No.8~”</i></p>
	9.2	<p>Yasuhiro Mizuno, DENSO CORPORATION <i>“Numerical simulation of Pollen Flow in a Passenger Compartment”</i></p>
	9.3	<p>Kimiko Kato, Figaro Eng. Inc. Nobuo Nakano, Riken Keiki Co., Ltd. <i>“ A monitoring of air quality in a car's cabin by use of a semiconductor gas sensor”</i></p>
16:10		Closing

JSAE Automotive Air-Conditioning CONFERENCE2006

「Insertion Elements」

*Format : A4

*Day of Publication : February 28 Tuesday 2006

*Day of close of Subscription : February 10 Friday 2006

*Deadline of Advertisement Draft : February 20 Monday 2006

*Size of Advertisement : 255×180mm

*Circulation : 1,000

*Cost of Advertisement : Back Matter 100,000(JPY)/1P

「Contact Detail」

TAISEISHA LTD.,

Kyobashi Mihama Bldg., 2-5-21, Kyobashi, Chuo-ku, Tokyo 104-0031, Japan

Tel. +81-3-3563-3366 Fax. +81-3-3563-3360

Contact for E-mail: sekiguchi@taiseisha.co.jp

Yukio Sekiguchi

JSAE Automotive Air-Conditioning CONFERENCE2006

JSAE Automotive Air-Conditioning

We will make a response with your inquiry as below

Cost of Advertisement:Back Matter 100,000(JPY)/1P

Company Name	
Representative	
Name	
Address	〒
Tel. / Fax.	Tel. _____ Fax. _____
E-mail	

「Contact Detail」

TAISEISHA LTD. ,

Kyobashi Mihama Bldg. , 2-5-21, Kyobashi, Chuo-ku, Tokyo 104-0031, japan

Tel. +81-3-3563-3366 Fax. +81-3-3563-3360

Contact for E-mail:sekiguchi@taiseisha.co.jp

Yukio Sekiguchi