Hosted by: *The Research Project on the Development of Next Generation Firefighters' Protective Clothing, The Clothing Physiology and Hygiene Department of the Japan Society of Home Economics, Japan Fire Retardant Association, The 21st century COE Program on "Design of Artificial Environments on the Basis of Human Sensibility"*

Supported by: *The Japan Protective Clothing Research Association*

International Mini-Symposium on Safety, Wearer Mobility and Comfort for Firefighter Protective Clothing

Firefighters' protective clothing is worn by firefighters while conducting fire-fighting and rescue activities. During fire fighting activities, to protect the fire fighter from flame, heat and falling debris etc., high thermal resistance and fire resistance are required. Furthermore, ensuring wearer mobility is necessary for heavy physical activity. Firefighters often suffer from heat illness due to heavy work in protective clothing in summer.
Our project has developed new firefighter protective clothing which can reduce heat stress, but maintain safety and wearer mobility function as well. We have invited a world authority in this field and organized, with the support of several societies, this International Mini-Symposium to show our results. Please join us.

Dates: March 8th 2007, 13:30 – 17:30
Place: Room No. 322, Building No.3, Ohashi Campus, Kyushu University,
4-9-1 Shiobaru, Minami-ku, Fukuoka 815-8540, Japan, 5-min walk from Nishitetsu Ohashi station (East Entrance)
Registration Fee: Free **(pre-registration is required)**

Program:

13:30-13:40 Opening remarks, Yutaka Tochihara

13:40-14:40 Emiel A Den Hartog, *Security and Safety, TNO Defense, The Netherlands*
Balancing protection and performance for fire fighters - How to reduce thermal stress

14:40-15:00 Eiji Yanai, *National Research Institute of Fire and Disaster, Japan*
Flame and thermal resistance performance of trial protective clothing for firefighters

15:00-15:20 Takumi Yamada and Teruko Tamura, *Bunka Women's University, Japan*
Three-dimensional motion analysis of newly developed protective clothing for firefighters

15:50-16:10 Shin-ichi Sawada, *National Institute of Occupational Safety and Health, Japan*
Current situation and future issues regarding hot work in Japan

16:10-16:30 Yutaka Tochihara, Kyushu University, Japan
A questionnaire study on evaluation of heat stress during firefighting work in protective clothing

16:30-16:50 Chinmei Chou and Yutaka Tochihara, *Kyushu University, Japan*
Laboratory evaluation of experimental firefighter protective clothing

16:50-17:10 Teruko Tamura and Takumi Yamada, Bunka Women's University, Japan
Thermal and evaporative heat resistance of protective clothing for firefighters
and its adaptive climatic range —By using a sweating thermal manikin—

17:10-17:30 Satoru Ueno and Shin-ichi Sawada, National Institute of Occupational Safety and Health, Japan
Effects of walking on dry heat exchange of fire-fighter's clothing with thermal manikin

18:00-19:30 Party（Fee payable）

Correspondence to: (Please use the pre-registration form overleaf or our URL)
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Registration Form

●Please send this form by Fax or E-mail. Date: _____

Name	Affiliation	Will you attend the party? (Fee payable)
		Yes・No
		Yes・No
		Yes・No
		Yes・No
		Yes・No
		Yes・No
Mailing Address		
Contact Details	Name： Tel： Fax： E-mail： We will confirm your registration by e-mail.	

For more information on workshop venue:

http://db.design.kyushu-u.ac.jp/English/campus/map.html