

Wednesday 11 June, 2008

09:00-11:00 **Session 1, Opening / Traffic I**

Chairman: *B. A. Powell*

Welcome & Announcements

Mr. Ami Lustig, Elevcon 2008 Chairman, Israel

Mr. John Inglis, President of IAEE, Australia

Mr. Costas Koukountzos, General Manager
Kleemann & Elevcon 2008 Co-Chairman, Greece

Mr. Nikos Koukountzos, Commercial Director
Kleemann, Greece

Measuring and simulating elevator passengers in existing buildings

R. Peters & E. Evans, Peters Research Ltd, UK

Elevator traffic simulation procedure

H. Hakonen & M. L. Siikonen, KONE Elevators Ltd, Finland

Using simulation for lift system design

R. Smith, ThyssenKrupp Elevator Inc., U.S.A.

11:00-11:15 Break

11:15-12:15 **Session 2, Poster Session**

A web-based framework for automating lift's drawings

P. Katsonis¹, G. Andreadis¹, E. Rousoudis² &

L. Asvestopoulos²,

¹Aristotle University of Thessaloniki, Greece,

²Kleemann Hellas SA, Greece

Access to elevators according actual code and market demands

K. Schaufler, Wittur GmbH, Austria

An automated web-based ordering system for lifts

K. Karkaletsis¹, E. Rousoudis², K. Stamos³, G. Andreadis³,

L. Asvestopoulos² & G. Kasselakis³,

¹Gnomon Informatics SA, Greece,

²Kleemann Hellas SA, Greece,

³Aristotle University of Thessaloniki, Greece

Early version of elevator installation in Istanbul: Hotel Pera Palace

E. Barlas¹, C. E. Imrak² & E. Kayaoglu²,

¹Barlas Consultancy, Turkey,

²Mechanical Engineering Faculty,

Istanbul Technical University, Turkey

Importance of the riding path in elevator safety

J. Sanz & J. E. Fernandez, Savera, Spain

Intelligent door protection with 3D camera technology

D. Lippuner & P. Nebiker, CEDES AG, Switzerland

Mega elevator opportunities in India – curtain raiser

V. Rajah, Fortune Consultants Ltd., Asia

Metallic ropes and their significance in the designing of elevators

M. P. Koutsovasili,

"Elevators Panagiotis N. Koutsovasilis", Greece

New seismic resistant design for elevator system

S. Watanabe¹, D. Fukui¹, K. Mori², T. Higashinaka²
& J. Aiba²,

¹Mitsubishi Electric Corp.,

Advanced Technology R&D Center, Japan,

²Mitsubishi Electric Corp., Inazawa Works, Japan

New semiconductor technology for 3D cameras and other novel elevator sensors

B. De Coi & D. Leipold, ESPROS Photonics Corp.,

Switzerland

PESSRAL – present situation and technological trends

A. Gómez, Á. Gimeno, D. Díez & M. Á. García,

Instituto Tecnológico de Aragón, Spain

Practical stress detection on rail anchors

M. Merz, Hilti Corporation, Principality of Liechtenstein

The dynamic response of elevator compensating ropes in high-rise buildings

S. Kaczmarczyk, School of Applied Sciences,

University of Northampton, UK

The latest elevator group control system

"Sigma AI-2200C"

S. Kobori, N. Suzuki, M. Iwata, S. Yamashita &

K. Takeshima,

Mitsubishi Electric Corporation, Japan

12:15-12:30 Break

Afternoon and Evening Programme

12:30 **Buses depart from the Makedonia Palace Hotel**

14:00 **Arrival at Kleemann factory** ☐

14:00-14:15 **Coffee/Refreshments**

14:15-15:45 **Factory tour** ☐

15:45-17:00 **Greek traditional buffet lunch** ☐

17:00 **Buses depart to Makedonia Palace Hotel**

18:30 **Arrival at Makedonia Palace Hotel**

18:30-20:00 **Break**

20:00 **BBQ buffet dinner by the Hotel Pool**

☐ **The tour and the lunch are organised by Kleemann**

Tentative Final Timetable Updated: 11.05.2008

Wear your nametag at all times

Thursday 12 June, 2008

08:30-11:00 **Session 3, Hydraulic Systems & Escalators**

Chairman: *J. Inglis*

Smart hydraulics guarantees lowest cost of ownership

T. Aschwanden & D. Grab,
Bucher Hydraulics AG, Switzerland

Design and control of electronic elevator valves

K. F. Celik, Blain Hydraulics GmbH, Germany

Development of new lift concepts based on hydraulic system simulation

E. Goenechea, Bucher Hydraulics AG, Switzerland

Methods for improving escalators

J. M^a. Cabanellas Becerra, J. D. Cano Moreno, B. Suárez,
J. A. Chover & J. Féllez,
Universidad Politécnica de Madrid,
Escuela Técnica Superior de Ingenieros Industriales,
Centro de Investigación de Tecnologías Ferroviarias, Spain

Falls from or over the side of escalators

D. Cooper, LECS (UK) Ltd, UK

11:00-11:30 Break (**GROUP PICTURE**)

11:30-13:00 **Session 4, Ride Quality, Comfort & Seismic Vibration**

Chairman: *R. Howkins*

Influence of the passengers in the elevator's dynamic response

H. Ignacio, Grupo Ingelev, Universidad de Extremadura, Spain

Conclusions and experience gained from the simulation of seismic vibrations in elevators

N. Spyropoulos & L. Asvestopoulos,
Kleemann Hellas SA, Greece

Structure of VIBRELEV-1G: simulation software for the elevator dynamic response

H. Ignacio, Grupo Ingelev, Universidad de Extremadura, Spain

13:00-14:30 Lunch break

14:30-15:30 **Session 5, Workshop**

Convenor: *R. D. Peters, Peters Research Ltd., UK*

Same traffic analysis, different results

15:30-15:45 Break

15:45-17:45 **Session 6, Maintainability, Functionality & Quality of Service**

Chairman: *R. Smith*

Improving the maintainability of elevators with virtual tools

P. Multanen¹, A. Mäkiranta¹, K. Helin² & S. Lind²,
¹Tampere University of Technology,
Department of Intelligent Hydraulics & Automation (IHA), Finland,
²VTT, Technical Research Centre of Finland, Finland

RFID technology & elevator: A new concept in increasing elevator functionality and accessibility for disabled people

L. J. Hadjileontiadis,
Dept. of Electrical & Computer Eng.,
Aristotle Univ. of Thessaloniki, Greece

Environmental impact evaluation of elevators in their use phase

J. A. Roig¹, A. Lorente², A. Chiminelli² & J. L. Núñez²,
¹MP Lifts, Spain,
²Instituto Tecnológico de Aragón, Spain

Hydraulic vs. traction lifts: environment friendliness and quality of service to the user

N. Spyropoulos & L. Asvestopoulos,
Kleemann Hellas SA, Greece

17:45-19:45 Break

Evening Programme

19:45 **Buses depart from the Makedonia Palace Hotel to a traditional Greek Taverna**

Friday 13 June, 2008

08:30-10:30 **Session 7, Emergency & Safety Matters**

Chairman: *L. Bialy*

Use of electronic systems for safety components in elevators

M. Erndl, Wittur GmbH, Austria

Influence of elevator acceleration induced loading on injury levels

K. Funai¹, M. v. Schijndel-de Nooij² & E. v. Nunen²,

¹Mitsubishi Elevator Europe BV, The Netherlands,

²TNO, The Netherlands

Will current high rise evacuation systems meet user needs in 2030?

H. A. MacLennan¹, M. Ormerod¹, A. Sivan² & C. Nielsen²,

¹Surface, Inclusive Design Research Centre,

University of Salford, UK,

²Atkins, Middle East

Use of lifts in an emergency: the European experience

N. Spyropoulos, L. Asvestopoulos & L. Rousoudis,

Kleemann Hellas SA, Greece

10:30-11:00 Break

11:00-13:00 **Session 8, Mechanical & Drive Design**

Chairman: *A. T. P. So / W. L. Chan*

Development of low-cost active mass damper for reducing vibrations of a traction machine

M. Hirai¹ & I. Asami²,

¹Toshiba Corp., Japan,

²Toshiba Elevator and Building Systems Corp., Japan

Investigation of stresses on guide rails and safety gears

C. E. Imrak¹, S. Bedir¹ & S. Targit²,

¹Istanbul Technical University,

Faculty of Mechanical Engineering,

Mechanical Engineering Department, Turkey

²ASRAY Company, Turkey

Modeling of elevators as driving systems

T. S. Karakatsanis,

Democritus University of Thrace, School of Engineering,

Department of Production Engineering and Management,

Greece

Development of small-machine-room large-capacity elevator

K. Kamimoto, G. Nakajima, T. Iwai, K. Izumi, Y. Yazaki,

T. Mishiro & H. Matsuoka,

Toshiba Elevator and Building Systems Corp., Japan

13:00-14:30 Lunch break

14:30-15:30 **Session 9, Workshop**

Convenor: *R. Howkins, Arup, UK*

Elevator ride comfort

15:30-15:45 Break

15:45-17:30 **Session 10, Traffic II / Closing Session**

Chairman: *S. Targit*

Individual car loads - the myths and the reality

J. W. Fortune, Fortune Consultants, Ltd., U.S.A.

An alternate approach to traffic analysis for residential buildings

B. A. Powell, Bruce Powell Company, U.S.A.

Analysis of elevator performance and passenger demand with destination control

R. Peters¹ & R. Smith²,

¹Peters Research Ltd., UK,

²ThyssenKrupp Elevator, Inc., U.S.A.

Reports from Workshops / Closing Remarks

17:30-17:45 Break

17:45-18:15 **IAEE General Assembly**


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The 17th International Congress on Vertical Transportation Technologies

ELEVCON 2008 THESSALONIKI

11-13 June 2008

organized by IAEE in cooperation with Kleemann Hellas S.A

PHOTOS FROM DAY 1 CONGRESS


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OPENING SESSION FULL HALL 160 PARTICIPANTS



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AM CONGRESS SESSION





DINNER BBQ BY THE POOL



BBQ BY THE POOL



LUNCH



DAY 1 PM TOUR TO KLEEMANN FACTORY

IAEE

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PHOTOS FROM DAY 2 NIGHT TAVERNA DINNER ORGANIZED BY KLEEMANN
FOOD SIRTAKI LAUGH AND DANCING UNTIL MIDNIGHT



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