



# WORKING ON SAFETY.NET

International  
Network on the  
Prevention of  
Accidents &  
Trauma at  
Work

Organizer:  
Διοργανωτής



Hellenic Institute For  
Occupational Health And Safety  
Ελληνικό Ινστιτούτο Υγιεινής  
και Ασφάλειας της Εργασίας

With the Support of:  
Με Την Υποστήριξη:

HELLENIC MINISTRY  
OF EMPLOYMENT  
AND SOCIAL PROTECTION  
ΥΠΟΥΡΓΕΙΟ ΑΠΑΣΧΟΛΗΣΗΣ  
ΚΑΙ ΚΟΙΝΩΝΙΚΗΣ ΠΡΟΣΤΑΣΙΑΣ



International Labour Office



European Network of Safety  
& Health Professional Organisations

UNDER THE AUSPICES OF  
H.E. THE PRESIDENT OF THE HELLENIC REPUBLIC  
DR. KAROLOS PAPAIOULAS

ΥΠΟ ΤΗΝ ΑΙΓΙΔΑ ΤΗΣ  
Α.Ε. ΤΟΥ ΠΡΟΕΔΡΟΥ ΤΗΣ ΔΗΜΟΚΡΑΤΙΑΣ  
ΚΥΡΙΟΥ ΚΑΡΟΛΟΥ ΠΑΠΟΥΛΙΑ

*4th International Conference*

## Prevention of Occupational Accident in a Changing Work Environment

*30 September - 3 October 2008, Crete, Greece*

*4ο Διεθνές Συνέδριο*

## Πρόληψη Εργατικών Ατυχημάτων σε ένα Μεταβαλλόμενο Εργασιακό Περιβάλλον

*30 Σεπτεμβρίου - 3 Οκτωβρίου 2008, Κρήτη*

*2nd  
announcement*

*2η  
απακοίνωση*





## Background

Accidents at work and the management of occupational safety risks still present a major problem in industrialised countries and in industries in the developing world.

The Working-On-Safety Network aims to establish a permanent network of experts in accident prevention, an informal forum for the exchange of experiences, new findings and best practices for the prevention of accidents at work on a global scale. Successful prevention relies on increased co-operation between experts who have different experiences and approaches. Knowledge grows with improved exchange and collaboration.

In this context, every 2 years a three-day conference of the network is organised to facilitate these exchanges by organising face-to-face encounters. Network members will have the opportunity to discuss their experiences, compare successes and failures, and initiate collaboration for better controlling risks at work.

Following the success of the 1st Working on Safety Conference in Denmark (2002), the 2nd Conference in Germany (2004) and the 3rd Conference in the Netherlands (2006), the 4th Conference is being organized in Greece, on October 2008 by the Hellenic Institute for Occupational Health and Safety (ELINYAE) in Crete.

The conference is under the auspices of H.E. the President of the Hellenic Republic Dr. Karolos Papoulias and is supported by the Hellenic Ministry of Employment and Social Protection, the International Labour Office (ILO), the European Agency for Safety and Health at Work and the European Network of Safety & Health Professional Organisations (ENSHPO).

The main theme of the conference is: "Prevention of occupational accident in a changing work environment". Participants will exchange ideas on occupational accident prevention. Emphasis will be given on new trends in the changing work environment (e.g. new technologies, work shifts, new forms of employment).

## Aims of the Conference

- To understand the impact of the changing work environment on occupational safety.
- To investigate safety interventions that effectively respond to the challenges for accident prevention in a changing work environment.
- To communicate good practices and successful solutions in accident prevention to colleagues around the world, especially in SMEs.
- To get experts and representatives from different groups together for an exchange of experiences and to establish an international network of collaborating colleagues.

## Εισαγωγή

Τα ατυχήματα στην εργασία και η διαχείριση της επαγγελματικής ασφάλειας αποτελούν ακόμα ένα μεγάλο πρόβλημα τόσο στις βιομηχανικές όσο και στις αναπτυσσόμενες χώρες του κόσμου.

Το διεθνές Δίκτυο "Working-On-Safety" (Εργασία με Ασφάλεια) στοχεύει στην καθιέρωση ενός μόνιμου δικτύου ειδικών στην πρόληψη ατυχημάτων, ενός φόρουμ ανταλλαγής εμπειριών, νέων ερευνητικών δεδομένων και βελτιωμένων πρακτικών για την πρόληψη ατυχημάτων στην εργασία. Η επιτυχημένη πρόληψη βασίζεται στη συνεργασία μεταξύ ειδικών με διαφορετικές εμπειρίες και προσεγγίσεις.

Σε αυτό το πλαίσιο διοργανώνεται κάθε 2 χρόνια ένα τριήμερο συνέδριο με σκοπό την ανταλλαγή γνώσεων και εμπειριών. Οι συμμετέχοντες έχουν την ευκαιρία να συγκρίνουν τις εμπειρίες τους, να συζητούν τις επιτυχίες και αποτυχίες τους και να θέτουν σε εφαρμογή τη συνεργασία για την αποτελεσματικότερη αντιμετώπιση των κινδύνων στην εργασία.

Μετά από την επιτυχημένη διοργάνωση του 1<sup>ου</sup> Συνεδρίου για την Ασφάλεια στην Εργασία στη Δανία (2002), του 2<sup>ου</sup> στη Γερμανία (2004) και του 3<sup>ου</sup> στην Ολλανδία (2006), το 4ο Συνέδριο διοργανώνεται τον Οκτώβριο του 2008, στην Ελλάδα, στη Χερσόνησο της Κρήτης, από το Ελληνικό Ινστιτούτο Υγιεινής και Ασφάλειας της Εργασίας (ΕΛ.ΙΝ.Υ.Α.Ε.).

Το συνέδριο τελεί υπό την αιγίδα της Α.Ε. του Προέδρου της Δημοκρατίας Κύριου Κάρουλου Παπούλια και υποστηρίζεται από το Υπουργείο Απασχόλησης και Κοινωνικής Προστασίας, τη Διεθνή Οργάνωση Εργασίας (International Labour Organisation), τον Ευρωπαϊκό Οργανισμό για την Ασφάλεια και την Υγεία στην Εργασία (European Agency for Safety and Health at Work) και το Ευρωπαϊκό Δίκτυο Επαγγελματικών Οργανισμών για την Ασφάλεια και Υγεία (European Network of Safety & Health Professional Organisations).

Κεντρικό θέμα είναι: «Πρόληψη εργατικών ατυχημάτων σε ένα μεταβαλλόμενο εργασιακό περιβάλλον». Οι συμμετέχοντες θα ανταλλάξουν ιδέες για την πρόληψη των ατυχημάτων με ιδιαίτερη έμφαση στις νέες τάσεις στο συνεχώς μεταβαλλόμενο κόσμο της εργασίας (π.χ. νέες τεχνολογίες, νέα ωράρια εργασίας, νέες μορφές απασχόλησης).

## Στόχοι συνεδρίου

- Η ανάδειξη των επιπτώσεων του μεταβαλλόμενου εργασιακού περιβάλλοντος στην επαγγελματική ασφάλεια.
- Η διερεύνηση των μέτρων που ανταποκρίνονται αποτελεσματικά στις προκλήσεις για την πρόληψη ατυχημάτων σε ένα μεταβαλλόμενο εργασιακό περιβάλλον.
- Η διάδοση ορθών πρακτικών και επιτυχών λύσεων στην πρόληψη ατυχημάτων, ειδικά σε μικρομεσαίες επιχειρήσεις (ΜΜΕ).
- Η ανταλλαγή εμπειριών και η εδραίωση ενός διεθνούς δικτύου για την ασφάλεια στην εργασία.



## Main Topics

- New work environment
- Risk assessment
- Accident analysis
- Major accidents
- OSH management
- Inspection / regulation
- Improving occupational safety: products and lessons learned
- Evidence based prevention
- Prevention in SMEs
- Safety culture
- Finding paying, intervening or blaming – the many faces of safety management
- Occupational safety in specific industries: construction, mines, quarries, petrochemicals, cement industry etc.
- Behaviour modification – safety awareness
- Training / information: contribution to prevention
- Chemical hazards / acute effects on health
- Ergonomics
- Risk perception
- Transport safety

## Θεματικές Ενότητες

- Μεταβαλλόμενο εργασιακό περιβάλλον
- Εκτίμηση επικινδυνότητας
- Ανάλυση ατυχημάτων
- Ατυχήματα μεγάλης έκτασης
- Συστήματα διαχείρισης υγείας και ασφάλειας
- Επιθεώρηση – Νομοθεσία
- Βελτίωση της επαγγελματικής ασφάλειας: αποτελέσματα και διδάγματα
- Τεκμηρίωση της βελτίωσης των συνθηκών ασφάλειας
- Πρόληψη στις μικρομεσαίες επιχειρήσεις
- Κουλτούρα ασφάλειας
- Διερεύνηση, επέμβαση ή απόδοση ευθυνών – οι πλευρές της διαχείρισης ασφάλειας
- Επαγγελματική ασφάλεια σε συγκεκριμένους κλάδους: κατασκευές, ορυχεία, μεταλλεία, πετροχημικά, βιομηχανία τσιμέντου κ.α.
- Αλλαγή της συμπεριφοράς: ευαισθητοποίηση σε θέματα ασφάλειας
- Εκπαίδευση / Πληροφόρηση: συνεισφορά στην πρόληψη
- Χημικοί κίνδυνοι / οξεία επίδραση στην υγεία
- Εργονομία
- Αντίληψη κινδύνου
- Ασφάλεια στις μεταφορές



## WORKINGONSAFETY.NET



Workingonsafety.net aims to establish a permanent network of experts in accident prevention, an informal forum for the exchange of experience, new findings and best practices in the prevention of accidents at work globally. The Network attracts, researchers, policy makers, safety professionals, labour inspectors, labour administrators and other experts in the prevention of occupational accidents and trauma and join them together in a permanent International Expert Network. The Network is an extension of what has been a predominantly Nordic Expert Network (NOFS) since 1980 and brings together the experiences and perspectives of experts from government agencies and other regulators, NGOs, universities, education, research and insurance organizations as well as industrial corporations. The Network is organised by a permanent international committee responsible for the long-term policy and sustainability of the Network. Every 2 years a conference provides three days of face-to-face encounters; Network members have the opportunity to discuss their experiences, compare successes and failures, and initiate collaboration to better control risks at work.

## HELLENIC INSTITUTE FOR OCCUPATIONAL HEALTH AND SAFETY (ELINYAE)



The Hellenic Institute for Occupational Health & Safety (ELINYAE) was established in 1992. It is a civic non-profit organisation, administered by representatives from the employer federations (industry, manufacture, commerce) and representatives from the trade unions. The Institute consists of 4 centers. The Center for Occupational Safety, the Center for Occupational Health and Hygiene, the Center for Documentation and Information and the Center for Vocational Training. The Center for Occupational Safety and Occupational Health and Hygiene elaborate applied research studies. More specifically, the Center for Occupational Safety deals with safety issues and ergonomic aspects, in order to improve work conditions and prevent accidents at work, while the Center for Occupational Health and Hygiene determines physical and chemical agents in the workplace, conducts biological monitoring tests, and investigates work conditions. The Center for Documentation and Information provides technical information through traditional and electronic means, while the Center for Vocational Training organizes lectures and seminars. Recently, the ELINYAE has organized two international conferences. The first one titled "Tools for the application of European directives on health at the workplace. The example of chemical risk" was organized with the support of the International Social Security Association (ISSA). The other one titled "Risks for health care workers: prevention challenges" was conducted in conjunction with the French Institute for Research and Safety (INRS), the German Institution for Statutory Accident Insurance and Prevention for the health sector (BGW), the Swiss Accident Insurance Fund (SUVA) and the International Social Security Association (ISSA). The Institute employs more than 50 scientific and administrative staff and collaborates with other research institutes and universities.

## Organisers - Διοργανωτές

## WORKINGONSAFETY.NET



Το Δίκτυο Working-On-Safety στοχεύει στην εδραίωση ενός διαρκούς δικτύου για την πρόληψη ατυχημάτων, ενός φόρουμ σε παγκόσμιο επίπεδο για την ανταλλαγή εμπειριών, νέων ερευνών και βελτιωμένων πρακτικών για την πρόληψη των ατυχημάτων στην εργασία. Το Δίκτυο προσελκύει ερευνητές, φορείς χάραξης πολιτικής, επαγγελματίες της ασφάλειας, επιθεωρητές εργασίας, και άλλους εμπλεκόμενους στην πρόληψη των ατυχημάτων στους χώρους εργασίας. Το Δίκτυο είναι μια επέκταση του προϋπάρχοντος δικτύου από το 1980 (Nordic Expert Network) και συγκεντρώνει τις εμπειρίες και τις προοπτικές ειδικών από κυβερνητικές υπηρεσίες και άλλους ρυθμιστές, μη κυβερνητικές οργανώσεις, Πανεπιστήμια, εκπαιδευτικούς και ερευνητικούς οργανισμούς, δημόσιους και ιδιωτικούς ασφαλιστικούς φορείς και επιχειρήσεις. Συντονίζεται από μία διαρκή διεθνή επιτροπή που είναι υπεύθυνη για την πολιτική και την υποστήριξη του Δικτύου μακροπρόθεσμα. Κάθε 2 χρόνια ένα τριήμερο συνέδριο που διοργανώνεται από το Δίκτυο και την εκάστοτε εθνική επιτροπή της χώρας που το φιλοξενεί, δίνει την ευκαιρία στους συμμετέχοντες να συζητήσουν τις εμπειρίες τους, να συγκρίνουν επιτυχίες και αποτυχίες και να συνεχίσουν ή να ξεκινήσουν συνεργασίες για τον αποτελεσματικότερο έλεγχο των κινδύνων στην εργασία.

## ΕΛΛΗΝΙΚΟ ΙΝΣΤΙΤΟΥΤΟ ΥΓΙΕΙΝΗΣ ΚΑΙ ΑΣΦΑΛΕΙΑΣ ΤΗΣ ΕΡΓΑΣΙΑΣ (ΕΛ.ΙΝ.Υ.Α.Ε.)



Το Ελληνικό Ινστιτούτο Υγιεινής και Ασφάλειας της Εργασίας (ΕΛ.ΙΝ.Υ.Α.Ε.) είναι μία αστική εταιρεία, μη κερδοσκοπικού χαρακτήρα που ιδρύθηκε το 1992. Ανώτατο όργανο του Ινστιτούτου είναι το Διοικητικό Συμβούλιο στο οποίο εκπροσωπούνται οι κορυφαίες συνδικαλιστικές οργανώσεις των εργαζομένων (ΣΕΒ, ΕΣΣΕ, ΓΣΕΒΕΕ) και των εργαζομένων (ΓΣΕΕ). Το Ινστιτούτο αποτελείται από 4 Κέντρα. Το Κέντρο Ασφάλειας της Εργασίας (ΚΑΕ), το Κέντρο Υγείας-Υγιεινής της Εργασίας (ΚΥΥΕ), το Κέντρο Τεκμηρίωσης Πληροφόρησης (ΚΤΠ) και το Κέντρο Επαγγελματικής Κατάρτισης (ΚΕΚ). Το ΚΑΕ και το ΚΥΥΕ ασχολούνται με την εφαρμοσμένη έρευνα. Πιο συγκεκριμένα, το ΚΑΕ διερευνά θέματα ασφάλειας και εργονομικούς παράγοντες για τη βελτίωση των συνθηκών εργασίας και την πρόληψη των εργατικών ατυχημάτων, ενώ το ΚΥΥΕ προσδιορίζει φυσικούς και χημικούς παράγοντες στο περιβάλλον εργασίας, διεξάγει βιολογικούς ελέγχους και ερευνά συνθήκες εργασίας. Το ΚΤΠ παρέχει πληροφορίες μέσω παραδοσιακών και ηλεκτρονικών μέσων, ενώ το ΚΕΚ οργανώνει διαλέξεις και σειρές σεμιναρίων. Πρόσφατα το ΕΛ.ΙΝ.Υ.Α.Ε. οργάνωσε δύο διεθνή συνέδρια. Το πρώτο είχε τίτλο "Εργαλεία για την εφαρμογή ευρωπαϊκών οδηγιών στον τομέα της υγείας στην εργασία: το παράδειγμα του χημικού κινδύνου" και οργανώθηκε με την υποστήριξη της Επιτροπής Έρευνας της Διεθνούς Ένωσης Κοινωνικής Ασφάλισης (ISSA). Το άλλο είχε τίτλο: "Επαγγελματικοί κίνδυνοι για τους εργαζόμενους στον τομέα της υγείας: προκλήσεις για την πρόληψη" και διεξήχθη σε συνεργασία με το Γαλλικό Ινστιτούτο Επαγγελματικής Ασφάλειας και Υγείας (INRS), το Γερμανικό Ινστιτούτο Ασφάλισης του Επαγγελματικού Κινδύνου και Πρόληψης στον κλάδο της Υγείας (BGW), το Ελβετικό Ταμείο Ασφάλισης Ατυχημάτων (SUVA) και τη Διεθνή Επιτροπή της ISSA για την πρόληψη των επαγγελματικών κινδύνων στις Υπηρεσίες Υγείας. Το Ινστιτούτο απασχολεί περισσότερους από 50 επιστημονικούς και διοικητικούς υπαλλήλους και συνεργάζεται με διάφορα ερευνητικά ινστιτούτα και πανεπιστήμια.



	<b>Preliminary Program</b>
	<b>Tuesday, 30 September 2008</b>
<b>14.00-17.00</b>	<b>Registration</b>
<b>18.00</b>	<b>Opening Ceremony</b> Addresses by: <ul style="list-style-type: none"><li>• The President of the Hellenic Institute for Occupational Health and Safety (ELINYAE)</li><li>• The Representative of the Government</li><li>• The Representative of the Local Authorities</li><li>• The Representative of EU</li><li>• The Representative of the International Labour Office (ILO)</li><li>• The Representative of the European Agency for Safety and Health at Work</li></ul>
<b>19.00</b>	<b>Welcome Dinner</b>



**Wednesday, 1 October 2008**

**KEYNOTE LECTURES**

**New Work Environment**

"New trends in work environment – new effects on safety"

**Ms. Theoni KOUKOULAKI**

Head of Occupational Safety Dept., Hellenic Institute for Occupational Health and Safety (ELINYAE), Greece

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"Nanotechnology, Engineered Nanoparticles and Occupational Safety"

**Prof. Kai SAVOLAINEN**

Finnish Institute of Occupational Health (FIOH), Nanotechnology, Work Environment Development, New Technologies and Risks Team, Finland

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"Occupational risk in flexible forms of employment in Greece"

**Prof. Savvas ROMBOLIS**

Professor of Economics of Social Affairs, Dept. of Social Policy and Social Anthropology, Panteion University of Athens, Greece

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"Quantified assessment of existing, new and emerging occupational risk: supporting rational occupational risk management"

**Dr. Ioannis A. PAPAZOGLU**

Research Director, Head System Reliability and Industrial Safety Laboratory, National Center for Scientific Research "DEMOKRITOS", Greece

**10.45-11.00**

**Coffee Break**



11.00-13.00

PARALLEL SESSIONS (Wednesday, 1 October 2008)

SESSION 1 <i>New work environment</i>	SESSION 2 <i>Risk assessment</i>	SESSION 3 <i>Accident analysis</i>	SESSION 4 <i>Major Accidents</i>
<p><b>OP 001/223</b> A need for new theories, models and approaches to occupational accident prevention? <i>J. HOVDEN, E. ALBRECHTSEN, I. HERRERA Norway</i></p> <p><b>OP 002/118</b> NEW OSH ERA. New and Emerging Risks in Occupational Safety and Health (OSH): Anticipating and dealing with change in the workplace through coordination of OSH risk research. <i>A. HAUKE, J. HERRMANN, D. REINERT Germany</i></p> <p><b>OP 003/217</b> Occupational and public safety. An integrated framework for risk assessment and prevention of accidents in a changing work environment. <i>M. PAPAPOPOULOS, E. GEORGIADOU, CH. PAPAZOGLU, K. MIHALIOU Greece</i></p> <p><b>OP 004/98</b> Strategic approaches in OSH. <i>S. TIMM Germany</i></p> <p><b>OP 005/55</b> Safety first! Organizational efficiency trends and their influence on safety. <i>K. AASE, S. WIIG Norway</i></p> <p><b>OP 006/17</b> Risk assessment and international cooperation. <i>H. GRUBER Germany</i></p> <p><b>OP 007/160</b> Implementing Integrated Operations (IO) in the Norwegian Oil Industry - impacts on occupational health and safety. <i>E. URBAN, P.H. LINDOE Norway</i></p>	<p><b>OP 008/18</b> Application of the bow-tie approach in a semi-quantitative assessment of occupational risks. <i>C. JACINTO, C. SILVA Portugal</i></p> <p><b>OP 009/112</b> Methodological Framework for Conducting a Risk Assessment Study. <i>G. SKROUMPELOS, V. MOUSTAKIS Greece</i></p> <p><b>OP 010/14</b> Risk Analysis. <i>G. MPAKAS, A. BARAFKAS Greece</i></p> <p><b>OP 011/157</b> A new methodology for the quantified assessment of occupational risk and human vulnerability. Case study: Individual risk in sites with dangerous substances. <i>A. CHALKIDOU, G.A. PAPADAKIS Greece</i></p> <p><b>OP 012/134</b> Evaluation and the management of dangers in work area. <i>P. KARAKOSTA Greece</i></p> <p><b>OP 165/232</b> Work-related musculoskeletal disorders prevention using FAST ERGO_X. <i>I.L. NUNES Portugal</i></p>	<p><b>OP 013/132</b> Text-mining of insurance-based information; providing decision support for local safety management. <i>T.J. LARSSON Sweden</i></p> <p><b>OP 014/10</b> General Model of Accidents Caused by Malfunctions of Machinery Control Systems. <i>M. DZWIAREK Poland</i></p> <p><b>OP 015/111</b> Comparison of selected accident investigation methods. <i>P. KATSAKIORI, E. SGOUROU, E. MANATAKIS, S. GOUTSOS, G. ATHANASSIOU Greece</i></p> <p><b>OP 016/36</b> Human factor and port safety after the container revolution: a statistical study on the relationship between workplace, organizational factors and occupational injuries. <i>B. FABIANO, F. CURRO, R. PASTORINO Italy</i></p> <p><b>OP 017/74</b> Occupational accidents through failure of movement control: new conception, new prevention. <i>M. MONTEAU, S. LECLERCQ France</i></p> <p><b>OP 018/213</b> Jobs with high incidence of ocular injuries in industry. <i>D. TANAGRA, E. KONSTANTINOY, M. LEOTSINIDIS, E. JELASTOPULU, E.C. ALEXOPOULOS Greece</i></p> <p><b>OP 019/68</b> Accident prevention at shared workplaces. <i>J. LAPPALAINEN, P. PIISPANEN, E. RANTANEN, T. MAKELA, S. SAUNI Finland</i></p> <p><b>OP 020/137</b> Using Coroners Narrative Data to Identify Work-Related Road-Traffic Fatalities in Ireland. <i>A. DRUMMOND, D.A. CUSACK Ireland</i></p>	<p><b>OP 021/226</b> Risk Management in Greece, in the framework of Seveso II Directive. <i>G. MANOURIS, G. MOUZAKIS Greece</i></p> <p><b>OP 022/186</b> Stakeholders and Safety cases in risk regulatory regimes: Experience with Acknowledgment of Compliance (AoC) for mobile facilities on the Norwegian Continental Shelf. <i>A. MOEN, P.H. LINDOE Norway</i></p> <p><b>OP 023/26</b> An integrated methodology for the analysis of management shortcomings and other underlying causes of major accidents in chemical industry. <i>K.G. KOKKINOS, G.A. PAPADAKIS Greece</i></p> <p><b>OP 024/83</b> Safety assessment on chlorination stations. <i>J. ADL, Z. NEZAMODDINI Iran</i></p> <p><b>OP 025/8</b> Using Network Methodologies to define an Emergency Response Team location: The Brazilian refinery study case. <i>E. CALIXTO Brazil</i></p> <p><b>OP 026/88</b> Risk and identity: a theoretical and empirical reflection. <i>K.M. VIKLAND Norway</i></p> <p><b>OP 027/243</b> Acute effects assessment for fire-fighters during tank fire of fuel. <i>C.D. ARGYROPOULOS, M.N. CHRISTOLIS, N.C. MARKATOS, Z. NIVOLIANITOU Greece</i></p>

13.00-14.30

Lunch Break



14.30-16.30	PARALLEL SESSIONS ( <i>Wednesday, 1 October 2008</i> )		
SESSION 5 <i>New work environment</i>	SESSION 6 <i>OSH management</i>	SESSION 7 <i>Inspection / Regulation</i>	SESSION 8 <i>Improving Occupational Safety: Products and lessons learned- Part I</i>
<p><b>OP 028/236</b> The impact of national legislation of safety and health at work regarding workers with a fixed-duration employment relationship or a temporary employment relationship - A national study. A. PAPADAKIS, D. PINOTSI, T. KOUKOULAKI, E. GEORGIADOU, V. MAKROPOULOS <i>Greece</i></p> <p><b>OP 029/139</b> The challenge for a multilateral risk assessment in the light of new trends in the working environment. A. TARGOUTZIDIS <i>Greece</i></p> <p><b>OP 030/103</b> Safestart: Basic Safety Training for Jobseekers and Temporary Workers. H. DE LANGE, K. DE RO <i>Belgium</i></p> <p><b>OP 031/122</b> Improving Work Safety for low-skilled and high-risk work. A.M.L. STARREN, A. DIJKMAN, D. VAN DER BEEK, R. GALLIS <i>The Netherlands</i></p> <p><b>OP 032/229</b> Health and safety in PPC SA 's subcontractors. M. TOLAKI, M. PEPHANIS <i>Greece</i></p> <p><b>OP 033/141</b> The prevention of harm to cleaning worker. T.D. TREGENZA <i>Spain</i></p> <p><b>OP 034/176</b> Improving chain management of contractor safety. S.L.J. ZWANIKKEN, L. DRUPSTEEN, G. ZWETSLOOT <i>The Netherlands</i></p>	<p><b>OP 035/208</b> Managing quality, safety, occupational health and environmental matters in an integrated system. J. McCOURT <i>Belgium</i></p> <p><b>OP 036/61</b> Safety performance evaluation: from incident-based methodologies to holistic dynamic models. E. SGOUROU, P. KATSAKIORI, S. GOUSOS, E. MANATAKIS <i>Greece</i></p> <p><b>OP 037/150</b> Cost and benefits of implementing management systems for occupational safety in enterprises in Poland. J. RZEPECKI <i>Poland</i></p> <p><b>OP 038/239</b> Contractors works safety management in refineries and petroleum industries. E. DEMENAGAS <i>Greece</i></p> <p><b>OP 039/44</b> Aiming for zero. M. ANDREW, L. LE GUEN <i>U.K.</i></p> <p><b>OP 040/116</b> Getting to zero harm by effective workforce involvement. N. BRYSON <i>U.K.</i></p> <p><b>OP 041/179</b> Implementing employee participation in occupational safety and health management. Z. PAWLOWSKA <i>Poland</i></p>	<p><b>OP 042/185</b> Robustness in self-regulatory risk regimes: The Norwegian experience in perspectives of legal law systems. P.H. LINDOE, G.S. BRAUT <i>Norway</i></p> <p><b>OP 043/110</b> An accident investigation method for Labour Inspectors in Greece. P. KATSAKIORI, E. SGOUROU, E. MANATAKIS, S. GOUSOS, G. ATHANASSIOU <i>Greece</i></p> <p><b>OP 044/224</b> Implementing Occupational Health and Safety in Cape Verde: an international cooperation with the Brazilian Institute of Occupational Health and Safety. J.M. JACKSON, S. FERNANTES <i>Brazil</i></p> <p><b>OP 045/206</b> More responsibility concerning occupational health and safety for entrepreneurs - experiences with implementing a new regulation for the prevention of health and accidents in German companies. N. SCHMIDT, M. KAUFMANN, K. JUNG <i>Germany</i></p> <p><b>OP 046/25</b> The German guideline on risk assessment. P. SMIGIELSKI <i>Germany</i></p> <p><b>OP 047/240</b> The regulation of building industry subcontracting in Spain. M.C. RUBIO, C. AREVADO, J.C. RUBIO <i>Spain</i></p>	<p><b>OP 048/95</b> The Occupational Risk Model and the ORM tool. I.A. PAPAZOGLU, R. WHITEHOUSE, L.J. BELLAMY, O.N. ANEZIRIS, H. BAKSTEEN, M. DAMEN, M. MUD, J. KUIPER, A. BLOEMHOF, M. KONSTANTINOUDOU, J.G. POST, J.I.H. OH <i>Greece</i></p> <p><b>OP 049/16</b> Which management system failures are responsible for occupational accidents? L.J. BELLAMY, M. MUD, M. DAMEN, H. BAKSTEEN, O.N. ANEZERIS, I.A. PAPAZOGLU, A.R. HALE, J.I.H. OH <i>The Netherlands</i></p> <p><b>OP 050/79</b> Risk reducing measures in the Occupational Risk Model (ORM). M. DAMEN, V. VAN EIJK <i>The Netherlands</i></p> <p><b>OP 051/173</b> Exposure of workers to occupational hazards and risk related working conditions. J.I. KUIPER, A. BLOEMHOFF, K. LEIDELMEIJER, M. DAMEN <i>The Netherlands</i></p>
16.30-17.00	Coffee Break		





17.00-19.00	PARALLEL SESSIONS ( <i>Wednesday, 1 October 2008</i> )			
SESSION 9 <i>New work environment</i>	SESSION 10 <i>OSH management</i>	SESSION 11 <i>Evidence Based Prevention</i>	SESSION 12 <i>Prevention in SMEs</i>	SESSION 13 <i>Improving Occupational Safety: Products and Lessons learned- Part II</i>
<p><b>OP 052/163</b> A Fuzzy Inference System for the Estimation of Hazards in Modern Manufacturing Systems. <i>P. TZIONAS, K. KOSTARAS Greece</i></p> <p><b>OP 053/193</b> Effectiveness of safety experts in German enterprises: A long term survey. <i>V. DIDIER Germany</i></p> <p><b>OP 055/91</b> Occupational accidents and the aging workforce. <i>A. VENEMA, E.M.M. VROOME The Netherlands</i></p> <p><b>OP 056/194</b> Effects of the increasing use of mobile information and communication technology at work. <i>M. HUPKE, M. KOHN, H. PARIDON, R. STAMM Germany</i></p> <p><b>OP 057/123</b> On new Invariants for Occupational Safety and Health for Mobile IT-Work. <i>M. KOHN, Germany</i></p>	<p><b>OP 058/207</b> Occupational Health and Safety management system in plastics industry. <i>Y. ASPIRTAKIS Greece</i></p> <p><b>OP 059/58</b> Inclusion or exclusion: Two different approaches in safety management when working with contractors. <i>R.J. BYE, J. FENSTAD Norway</i></p> <p><b>OP 060/106</b> Managing safety from a tower of Babel. <i>S.N. KAMENOPOULOS Greece</i></p> <p><b>OP 061/56</b> Biological and ambient monitoring of phthalates in a PVC processing industry. <i>H.M. KOCH, L. NEUMEISTER, R. CLASSEN, T. WEISS, H.U. KAEFFERLEIN, T. BRUENING Germany</i></p> <p><b>OP 062/161</b> Safety aspects of management change in the process industry. <i>I. CHRONIS Greece</i></p> <p><b>OP 063/52</b> Safety matters have become too important for management to leave it up to the joint safety and health committee. <i>J. DYREBORG, B. CLEAL Denmark</i></p>	<p><b>OP 064/221</b> Evidence-based Prevention through Prevention-based Research. <i>N. STOUT USA</i></p> <p><b>OP 065/43</b> Examples of evidence based approaches in accident prevention in the German Social Accident Insurance. <i>A. NOLD, F. BOCHMANN Germany</i></p> <p><b>OP 066/66</b> Measuring the level of enterprise pro-activeness in managing occupational safety risks. <i>H.H.K. SONDERSTRUP – ANDERSEN, T. FLOCKE, K.L. MIKKELSEN, C. ROEPSTORFF Denmark</i></p> <p><b>OP 067/12</b> Quality of Prevention - Indicators, Effects and Effectivity. <i>T. KOHSTALL Germany</i></p> <p><b>OP 068/76</b> Effectiveness in Health and Safety: The Sifa-Langzeitstudie; Concept, design and first results of an 8 years longitudinal online-survey with OH&amp;S professionals. <i>U. WINTERFELD Germany</i></p> <p><b>OP 069/92</b> The networking of competencies: reciprocal action between the BG prevention services. <i>H. ZIESCHANG Germany</i></p> <p><b>OP 070/227</b> Guidelines for the safer confrontation of seismic risks in industrial environments. <i>P.GR. CARYDIS, T. SALI, K. PETSA Greece</i></p>	<p><b>OP 071/70</b> Accidents as opportunities for prevention strategies in SME. <i>W.J. GEIJSEN, M. HESELMANS, J. VAN PETEGEHME Belgium</i></p> <p><b>OP 072/45</b> EEC Machine directive: Effect on safety at work in small and medium sized enterprises. <i>G. MANCINI, G. CASTELLET Y. BALLARU, L. FILOSA Italy</i></p> <p><b>OP 073/155</b> An Integrated Web Platform with innovative tools and services for training of SMEs on Occupational Safety and Health. <i>G. PAPADAKIS, P. MACHAIRA, A. CHALKIDOU Greece</i></p> <p><b>OP 074/85</b> Have small and medium-sized enterprises to be considered "SMEs" in the OSH issues? <i>E. CAGNO, G.J.L. MICHELI Italy</i></p> <p><b>OP 075/86</b> Interactions among OHS-related factors and OHS performance. <i>E. CAGNO, G.J.L. MICHELI Italy</i></p>	<p><b>OP 076/115</b> Evaluating safety management and culture interventions to improve safety: effective intervention strategies and lessons learned. <i>A.R. HALE, F. GULDENMUND, J.I.H. OH, P. VAN LOENHOUT The Netherlands</i></p> <p><b>OP 077/215</b> Without structure, no safety culture! <i>P. BOOSTER The Netherlands</i></p> <p><b>OP 078/119</b> The evaluation and future of the program "Improving Occupational Safety" in the Netherlands. <i>J.I.H. OH, V. SOL The Netherlands</i></p> <p><b>OP 079/109</b> Facts and figures learned from the analysis of 10000 incidents. <i>M.L. MUD, J.I.H. OH, L. BELLAMY, A.R. HALE, M. DAMEN, O.N. ANEZIRI I.A. PAPAZOGLU, H. BAKSTEEN The Netherlands</i></p> <p><b>OP 080/174</b> Accident prevention in SME using ORM. <i>K. JORGENSEN, N. DUIJM, H. TROEN Denmark</i></p>

20.30	Theme night: Cretan cuisine buffet
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Thursday, 2 October 2008

KEYNOTE LECTURES

09.00-10.30

**Safety Culture**

“Safety Climate and Culture: a Journey of Discovery”

**Prof. Dov ZOCHAR**

Faculty of Management, Technion – Israel Institute of Technology, Israel

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“Best Behavior: Cognitive and Social Skills for Safety”

**Prof. Rhona FLIN**

Industrial Psychology Research Center, School of Psychology, King’s College, University of Aberdeen, U.K.

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“Measures taken by Cyprus to meet its obligations arising from the Framework Directive 89/391/EEC”

**Mr. Leandros NIKOLAIDES**

Ac. Permanent Secretary of the Ministry of Labor and Social Insurance, Cyprus

10.30-11.00

Coffee Break



11.00-13.00	PARALLEL SESSIONS (Thursday, 2 October 2008)			
SESSION 14 Safety Culture	SESSION 15 Occupational Safety in specific industries: Construction - Mines - Quarries	SESSION 16 Accident analysis	SESSION 17 Major Accidents	
<p><b>OP 081/90</b> A Nordic questionnaire for assessing safety climate (NOSACQ). <i>M. TORNER, P. KINES, J. LAPPALAINEN, K.L. MIKKELSEN, A. POUSETTE, J. THARALDSEN Sweden</i></p> <p><b>OP 082/21</b> Evaluating Safety Culture 10 years On - The Contribution of Behavioural Safety Programmes. <i>P. McLELLAN, K. MEARNS U.K.</i></p> <p><b>OP 083/53</b> A comparative study of safety climate among employees on the UK and Norwegian Continental Shelves. <i>J.E. THARALDSEN, K. MEARNS, K. KNUDSEN Norway</i></p> <p><b>OP 084/62</b> Do differences in languages correspond with the differences in fatalities? <i>S. SALMINEN, J. ERONEN, P. HAMALAINEN, Finland</i></p> <p><b>OP 085/81</b> Safety Culture improvement; Energizing Hearts and Minds in improving Company's Safety Culture. <i>D. PAPAHRISIS Greece</i></p> <p><b>OP 086/131</b> Formal and Informal Safety Management. The Importance of Ethnographic Research for Safety Surveys. <i>P. MASCINI, Y. BACHARIAS, I. ABAAZIZ The Netherlands</i></p>	<p><b>OP 087/140</b> A plan to improve the occupational safety and health in the construction industry from the governmental point of view. <i>E. TSOULOFTA-KAKOUTA Cyprus</i></p> <p><b>OP 088/211</b> Preventing accidents in ERGOSE s worksites. <i>E. DOUVI, V. SPYRAKOS, V. IAKOVIDOU Greece</i></p> <p><b>OP 089/149</b> Health &amp; Safety management and best practices in quarries industry. <i>Y. ASPIRTAKIS, M. GALETAKIS Greece</i></p> <p><b>OP 090/11</b> Emergency management for crisis situations at the workplace. <i>J. BERGER Germany</i></p> <p><b>OP 091/165</b> Measuring the effectiveness of the HNS Management System and Enhancing Personnel's contribution to HNS matters. <i>E. DOUVI, V. SPYRAKOS Greece</i></p> <p><b>OP 092/117</b> An analysis of the integration of quality, environmental and safety management systems in Brazilian construction companies. <i>A. HADDAD, J. SANTOS, C. MORGADO Brazil</i></p>	<p><b>OP 093/7</b> Causes and Circumstances of Accidents to Cleaners in the Portuguese Service Sector. <i>J.M. CABECAS Portugal</i></p> <p><b>OP 094/121</b> Validating trends in the Danish National Injury Register. <i>K.L. MIKKELSEN Denmark</i></p> <p><b>OP 095/124</b> Occupational health and safety in the Italian hospitality industry. <i>L. FILOSA, G.C. CASTELLET Y. BALLARU, G. MANCINI, S. AMATUCCI, G. MORINELLI Italy</i></p> <p><b>OP 096/39</b> Routes to failure: Analysis of the ICAO Accident/Incident Reporting (ADREP) for civil aviation. <i>P. LIN, A.R. HALE The Netherlands</i></p> <p><b>OP 097/210</b> Analysis of accidents in the shipyard industry. <i>Z. TSARAKLIS, V. MANOLAKOS A. MANIDIS, E.C. ALEXOPOULOS Greece</i></p> <p><b>OP 098/212</b> Job title and absenteeism related injuries in heavy industry employees. <i>M. LEOTSINIDIS, E. JELASTOPULU, Z. TSARAKLIS, D. TANAGRA, S. PAPADOPOULOS, E.C. ALEXOPOULOS Greece</i></p> <p><b>OP 099/138</b> Occupational accidents in local public sector in Finland. <i>N. HINTIKKA Finland</i></p>	<p><b>OP 100/216</b> Major accidents involving hazardous materials: occupational safety risk assessment. <i>M. CHRISTOLIS, E. GEORGIADOU, N.CH. MARKATOS Greece</i></p> <p><b>OP 101/166</b> Consequence zoning sensitivity for employees of a major accident hazard site: the case of refinery control room. <i>E.N. VANGELOGLOU, G.A. PAPADAKIS Greece</i></p> <p><b>OP 102/59</b> Accident prediction based on historical incident reports: Could the blow-out at Snorre A have been predicted? <i>R.J. BYE, T. KONGSVIK Norway</i></p> <p><b>OP 103/9</b> The regional emergency plan requirement: the best practices applied in Brazilian study case. <i>E. CALIXTO Brazil</i></p> <p><b>OP 104/50</b> Accident investigations and safety cultural change. <i>T.O. NAEVESTAD Norway</i></p> <p><b>OP 105/156</b> Modeling of organizational and management changes in work environment through a prototype Safety Management System. <i>P. MACHAIRA, G.A. PAPADAKIS, K. KOKKINOS Greece</i></p> <p><b>OP 106/69</b> Accident investigation versus the European Machines Directive. <i>W.J. GEIJSEN Belgium</i></p>	
13.00-14.30	Lunch Break			



14.30-16.30

**PARALLEL SESSIONS (Thursday, 2 October 2008)**

<b>SESSION 18 Safety Culture</b>	<b>SESSION 19 Occupational Safety in specific industries: Petrochemicals</b>	<b>SESSION 20 Inspection / Regulation</b>	<b>SESSION 21 "Finding, paying, intervening or blaming - the many faces of safety management" SessionsponsoredbytheDutchSafetyScienceSociety</b>
<p><b>OP 107/102</b> The relationship between culture and safety on offshore service vessels. <i>S. ANTONSEN Norway</i></p> <p><b>OP 108/104</b> Exploring risk-awareness as a cultural approach to safety: Exposing the gap between work as imagined and work as actually performed. <i>D. BORYS Australia</i></p> <p><b>OP 109/37</b> Cultural intervention or knowledge change? Implementing a just culture policy in an Australian Rail Organization. <i>B. BROOKS, A. STANIFORD Australia</i></p> <p><b>OP 110/168</b> Safety Culture and a Safe Work Environment in the construction industry: A leader-based intervention. <i>L.P. ANDERSEN, P. KINES, S. SPANGENBERG Denmark</i></p> <p><b>OP 111/172</b> Is safety climate enhancement easy? A longitudinal study demonstrating the stability/changeability of safety climate at a hospital. <i>E. OLSEN, K. AASE Norway</i></p> <p><b>OP 112/189</b> Safety culture on fishing vessels. <i>J.I. HAVOLD Norway</i></p> <p><b>OP 113/2</b> Safety cultural assessment among management, supervisory and worker groups in a tar refinery plant in Iran. <i>E. HABIBI, S. POURABDIAN, M. FEREDAN Iran</i></p>	<p><b>OP 114/67</b> Can the Quest for Good Corporate Governance Motivate Improved HSE Management? <i>H. BLAKSTAD, T. DAHL, I. AARSTAD Norway</i></p> <p><b>OP 115/177</b> Human performance technology and working reliability. <i>O.Y. BUROV, V.V. KAMYSHIN, O.O. BUROVA Ukraine</i></p> <p><b>OP 116/244</b> Hellenic Petroleum Safety Performance and Safety Culture. <i>P. PAGONI, Greece</i></p> <p><b>OP 117/78</b> The HSE-identity of Norwegian Petroleum <i>J.E. KARLSEN Norway</i></p> <p><b>OP 118/200</b> The Desfa Safety Rules. <i>P. LAIOS Greece</i></p> <p><b>OP 119/57</b> Risk influencing factors and double-edged effects of on safety barriers. <i>R.J. BYE, J. FENSTAD Norway</i></p> <p><b>OP 120/178</b> The development of the Safety and Health mentality in the technical personnel of DEI Lignite Center of West Macedonia (L.C.W.M.) open mines. <i>I. KARAMPAKAKIS Greece</i></p> <p><b>OP 121/242</b> The influence on organisational accident risk by integrated operations in the petroleum industry. <i>T.O. GROGAN, E. ALBRECHTSEN, E. BJERKEBAEK Norway</i></p>	<p><b>OP 122/93</b> Optimal Enforcement of Safety Regulation Aiming at the Prevention of Work-related Accidents. <i>M.G FAURE, L. TILINDYTE The Netherlands</i></p> <p><b>OP 123/97</b> Information and communication strategies in prevention. <i>S. TIMM Germany</i></p> <p><b>OP 124/48</b> Epidemiology of injuries coming to a tertiary care hospital in Karachi, Pakistan. <i>S.M. NASRULLAH, U.R. KHAN, A. AHMED, M. JAMIL, J.A. RAZZAK Pakistan</i></p> <p><b>OP 125/113</b> Product testing and certification: a successful contribution to prevention activity in Germany. <i>R. REITZ Germany</i></p> <p><b>OP 126/80</b> Social Dialogue on Crystalline Silica: The first European Multisector Agreement for Workers Health. <i>K. GULDNER Germany</i></p> <p><b>OP 127/171</b> Risk regulation and prevention - a social and physical phenomena. A comparison of the aviation and petroleum industry. <i>O.A. ENGEN, P.H. LINDOE Norway</i></p>	<p><b>OP 128/204</b> Human Factors, the accident proneness theory. <i>P. SWUSTE The Netherlands</i></p> <p><b>OP 129/129</b> A tool for decision makers: calculation of cost-benefits of OSH. <i>J. GORT, L. MAURITE The Netherlands</i></p> <p><b>OP 130/28</b> Risk assessment in the construction industry, the case of crane safety. <i>P. SWUSTE The Netherlands</i></p> <p><b>OP 131/84</b> How to measure safety in construction industry. <i>A.C.P. FRIJTERS, P. SWUSTE, H.R. VAN YPEREN The Netherlands</i></p> <p><b>OP 132/205</b> Evaluating safety management and culture interventions to improve safety: quantitative results. <i>A.R. HALE, F. GULDENMUND, P. VAN LOENHOUT, J.I.H. OH The Netherlands</i></p>

16.30-17.00

**Coffee Break**



17.00-19.00

PARALLEL SESSIONS (Thursday, 2 October 2008)

**SESSION 22 Behavior modification-  
Safety awareness**

**OP 133/77** Effectiveness of behaviour-based programmes.  
*L. DRUPSTEEN, A. HOLLANDER*  
*The Netherlands*

**OP 134/33** Workforce Risk Awareness.  
*C. MALAMI, S. ZACHARIS* *Greece*

**OP 135/51** Reducing ignorance to hazards and signals of danger in high risk organizations through cultural redundancy.  
*T.O. NAEVESTAD* *Norway*

**OP 136/127** Competency (behaviour) Based Safety as part of a Safety Management System.  
*S. PHEIFFER* *South Africa*

**OP 137/170** Antecedents of safety behaviour in the oil and gas industry.  
*S. DIDLA, K. MEARNS* *U.K.*

**OP 138/145** Changing behaviors in work sites.  
*S. ZACHARIS, H. MALAMI* *Greece*

**OP 139/199** The Stairs of Well-being at Work -Health and Safety as the Basis of Well-being.  
*P. RAURAMO, V. LOUHEVAARA* *Finland*

**OP 180/6** Study on workers' evacuation in an industrial company.  
*A.S. MIGUEL, J.M. SILVA* *Portugal*

**SESSION 23 Occupational Safety in  
specific industries: Various sectors**

**OP 140/46** Practices and methodologies for an integrated management of health and safety in ports.  
*E. VAFARI, G. PALANTZAS* *Greece*

**OP 141/24** Interventions for Preventing Injuries in Agriculture: A Cochrane Review.  
*S.T. SALMINEN, R.H. RAUTIAINEN, L.M. DAY, E. SCHONSTEIN, J. SUUTARINEN* *Finland*

**OP 142/184** Prevention of incidents and of occupational diseases in waste treatment sector.  
*P. FIORETTI, R. GIOVINAZZO, A. GUERCIO, E. INCOCCIATI, B. PRINCIPE, P. SANTUCCIU* *Italy*

**OP 143/192** Actions for improving risk management and accident prevention in TITAN SA during the last years.  
*E. ANASTASAKIS* *Greece*

**OP 144/190** The organizational costs of capsizing. Two case studies from Norway.  
*J.I. HAVOLD* *Norway*

**OP 145/54** Biological monitoring of 24 aromatic amino and nitro compounds in coke oven workers.  
*T. WEISS, H.M. KOCH, H.U. KAEFFERLEIN, J. HENRY, V. HARTH, K. SUESSELBECK, T. BRUENING* *Germany*

**SESSION 24 Training / Information:  
Contribution to prevention**

**OP 146/114** Certification of safety professionals at the European level.  
*A.R. HALE, H. HARVEY, M. MENNOZI, S. MIGUEL, G. BIANCHI* *The Netherlands*

**OP 147/89** European standard for the quality of trainers in occupational safety and health.  
*U. BOLLMANN* *Germany*

**OP 148/82** What does the research process bring to health and safety professionals?  
*D. WALKER* *U.K.*

**OP 149/201** Prevention training at occupational schools.  
*R. KOERBLER* *Austria*

**OP 151/65** Development of an evaluation instrument to predict effectiveness from training in Occupational Health and Safety.  
*K. MASUHR, D. WINDEMUTH, E. TASKAN - KARAMUERSEL* *Germany*

**OP 152/153** Research for the awareness level and training needs of engineers in East Crete, concerning Health and Safety issues.  
*A. MARAGAKIS, E. KARAVELAKIS, Y. ASPIRTAKIS* *Greece*

**SESSION 25 Chemical hazards: Acute  
effects on health**

**OP 153/1** Safe working procedures in accordance with the REACH directive under conditions involving exposure to carcinogenic substances.  
*H. BLOME, H. KLEINE* *Germany*

**OP 154/71** Help! Reach is coming soon.  
*W.J. GEIJSEN, E. GOOSSENS* *Belgium*

**OP 155/202** Hazardous chemicals, small firms and the impact of REACH.  
*D. WALTERS* *U.K.*

**OP 156/60** Methodical procedures for the development of exposure scenarios in the context of REACH with reference to screen printing.  
*ST. GABRIEL, H.A. BUSCHER* *Germany*

**OP 157/233** 4 Step Program for respiratory protection.  
*G. ZORBALAS* *Greece*

**OP 158/3** Effects of individual differences and adaptation to shift work on Serum cortisol changes in shift workers.  
*S. POORABDIAN, E. HABIBI, P. GOLSHIRI* *Iran*

**OP 159/136** Urine-based tumor marker tests among workers with high bladder cancer risk - interim data of the prospective study UroScreen.  
*D. TAEGER, B. PESCH, G. FEIL, B. SCHEUER-MANN, H. BONTRUP, F. WELLHAUBER, F. EDERLE, G. JOHNEN, G. LENG, M. PELSTER, M. HORSTMANN, A. STENZL, M. NASTERLACK, T. BRUNING, UNOSCREEN STUDY GROUP* *Germany*

20.30

Gala Dinner



**Friday, 3 October 2008**

**KEYNOTE LECTURES**

**Risk Assessment and Management**

"How to manage an organization's resilience as a way to deal with the complexity of modern systems"

**Prof. Davis D. WOODS**

Cognitive Systems Engineering Laboratory: 2008, Institute for Ergonomics, the Ohio State University, USA

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"Design for Patient Safety"

**Prof. P. John CLARKSON**

Professor of Engineering Design, Director, Cambridge Engineering Design Centre, U.K.

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"Healthy Workplaces: Good for you. Good for business. A European Campaign on Risk Assessment"

**Mr. Terry N. TAYLOR**

Head of Working Environment Information Unit, European Agency for Safety and Health at Work, Bilbao, Spain

09.00-10.30

10.30-11.00

**Coffee Break**



11.00-13.00	PARALLEL SESSIONS (Friday, 3 October 2008)			
SESSION 26 Risk Assessment	SESSION 27 Ergonomics	SESSION 28 Accident Analysis	SESSION 29 Risk Perception	SESSION 30 Transport Safety
<p><b>OP 160/38</b> Functional Modeling for Risk Assessment of Automation in a Changing Air Traffic Management Environment. <i>R. WOLTJER, E. HOLLNAGEL Sweden</i></p> <p><b>OP 161/235</b> Application of a Participatory Risk Assessment Model - Safety Hazards Identification in the Metal Industry in Greece. <i>T. KOUKOULAKI, E. GEORGIADOU, D. PINOTSI, V. DRAKOPOULOS, V. MAKROPOULOS, A. KOSTOPOULOU, E. KARAHALIOS Greece</i></p> <p><b>OP 162/64</b> Occupational Risk of tunneling construction. <i>O.N. ANEZIRIS, D. KALLANIOTIS, I.A. PAPAZOGLOU Greece</i></p> <p><b>OP 163/63</b> External Services of Protection and Prevention in Cyprus. Problems and Constraints. <i>Y. KAKOULLIS Cyprus</i></p> <p><b>OP 164/29</b> A FRAM risk assessment of nuclear fuel transportation. <i>J. SPEZIALI, K. LUNDBLAD, R. WOLTJER, J. LUNDBERG France</i></p>	<p><b>OP 166/13</b> Risk assessment in health care workers; an ergonomic and participative approach. <i>E.M. CAPODAGLIO F. DRAICCHIO Italy</i></p> <p><b>OP 167/23</b> Lumbar overload prevention for health-care workers during patient-transfer activities. <i>A. THEILMEIER, C. JORDAN, A. LUTTMANN, M. JAGER Germany</i></p> <p><b>OP 168/105</b> Prevention of musculoskeletal-disorders by ergonomic workplace design. <i>C. BACKHAUS, C. FELTEN Germany</i></p> <p><b>OP 169/49</b> OSH challenges at a postal service company. <i>T. HEINIMAA Finland</i></p> <p><b>OP 170/222</b> Integrated Programme for the Reduction of Operator Fatigue at the Transformers Assembly Lines. <i>I. BANOUTSOS, D. NATHANAIL Greece</i></p> <p><b>OP 171/225</b> Understanding the relationship between organizational factors and occupational accidents in construction: the contributions from a field study based on Ergonomic Work Analysis. <i>E. FONSECA, F. LIMA, J.M. JACKSON, F. DUARTE Brazil</i></p>	<p><b>OP 172/154</b> Prevention of occupational farm accidents in Denmark from 1998 to 2006. <i>O. CARSTENSEN Denmark</i></p> <p><b>OP 173/188</b> The role of the Occupational Health Physician (OHP) in the investigation of the causes of the Work Accidents (WAs) - Experience from the Public Power Corporation (PPC) in North Greece. <i>P. ZAFEIROPOULOS Greece</i></p> <p><b>OP 174/203</b> Accident events among self-employed private forest owners. <i>O. LINDROOS, L. BURSTROM Sweden</i></p> <p><b>OP 175/228</b> Safe work plan for tank truss installation. <i>A.R. NARIMANNEJAD Iran</i></p> <p><b>OP 176/87</b> Occupational Health and Safety in EASA PART-145 Approved Maintenance Organizations. <i>M. STAMATOPOULOU, K. PAPAKONSTANTINOOU Greece</i></p>	<p><b>OP 177/41</b> An individual and group level explanation of safe behaviour and accident rates. <i>A. CHEYNE, A. OLIVER, J.M. TOMAS U.K</i></p> <p><b>OP 178/73</b> Managers' attitudes of safety measures in the commercial transport sector. <i>O. NJAA, S.H. FJELLTUN Norway</i></p> <p><b>OP 179/42</b> Explaining safe behaviour across different work groups in a large transportation company. <i>J.M. TOMAS, A. OLIVER, A. CHEYNE Spain</i></p> <p><b>OP 181/151</b> Pilot Error: Even Skilled Experts Make Mistakes. <i>L. LOUKOPOULOU Greece</i></p>	<p><b>OP 182/182</b> Professional drivers &amp; road accidents. <i>A. MALESKOU, G. PAPADIS, A. XYDEA-KIKEMENIS Greece</i></p> <p><b>OP 183/34</b> GTI: Vehicles and more - striking new paths in traffic education with apprentices. A qualification system accompanies young drivers during their apprenticeship. <i>J. LAU Germany</i></p> <p><b>OP 184/47</b> Explaining road accidents in road transport and logistic companies: the role of organizational factors. <i>R. SOLA, N. GAMERO, I. SILLA, B. SORA Spain</i></p> <p><b>OP 185/108</b> Risk Apportionment for railway safety. <i>M. RAFRAFI, E.M. EL-KOURSI France</i></p> <p><b>OP 186/245</b> Why are hours of service regulations for truck drivers violated? <i>S. GRON Denmark</i></p>

13.15	Closing Ceremony
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## POSTERS

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A, KATSOU *Greece*

### PP 002/ 27

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A. WETZSTEIN, E. TASKAN-KARAMUSEL, M. KAUFMANN *Germany*

### PP 003/ 32

Safety of Machinery-Perpetuating the systemic approach and the integration of human factors into machinery  
P. PAPPACHAN, M. SCHAEFER *Germany*

### PP 004/35

The legal foundation for the integration of safety and health in education and training  
H. E. J. GOORDEN *Belgium*

### PP 005/40

Safety climate in the Nordic construction industries  
P. KINES, J. LAPPALAINEN, K. TOMASSON, K.A. HOLTE, M. TOERNER, K.L. MIKKELSEN, E. OLSEN, A. POUSETTE, S. LARSSON *Denmark*

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Occupational Risk Assessment of workers employed in uncontrolled burning processes  
M. POSNIAK, M. SZEWCZYNSKA, E. DOBRZYNSKA *Poland*

### PP 007/99

Safety and prevention measures of employees in diagnostic researching laboratories  
D. TOUKAS *Greece*

### PP 008/101

Epidemiological approach of biological risk in the hospital environment  
D. TOUKAS, A. TOUKA *Greece*

### PP 009/128

Risk assessment at workplace as the main tool for prevention of accidents at enterprises  
K. REINHOLD *Estonia*

### PP 010/144

Pedestrian - motor vehicle accidents in rural population of Crete  
N. SYRMOS, V. VALADAKIS, K. GRIGORIOU, E. GRISBOLAKI, D. ARVANITAKIS *Greece*

### PP 011/146

Maxillofacial injuries related to occupational accidents  
N. SYRMOS, G. MASTORAKIS, I. LOGOTHETIS *Greece*

### PP 012/147

Occupational back pain in nursing personnel  
N. SYRMOS, K. GRIGORIOU, V. VALADAKIS, I. PAPAMERKOURIOU, D. ARVANITAKIS *Greece*

### PP 013/152

Systems engineering approach for the railway worksites' safety modelling  
J. RODRIGUEZ, S. SOBIERADJ, C. BLATTER, P. VIGNES *France*

### PP 014/162

Prevention of biological risks in the construction of a new department of microbiology: from design to installation, 12 years of experience (1996: 2008)  
C. BERLIE, M. VEYRES *France*

### PP 015/164

Professionally important qualities of train drivers and risk prevention of their unreliable work  
K.O. BUROVA, V.M. SAMSONKIN, T.O. SHALAEVA, O.Y. BUROV, Z.P. MAZURENKO *Ukraine*

### PP 016/197

NEW HYGIENIC STANDARD VALUES FOR CHEMICALS IN WORKPLACE ATMOSPHERE IN POLAND IN 2007  
M. KUPCZEWSKA - DOBECKA, S. CZERCZAK *Poland*

### PP 017/214

The impact of Health and Safety training in employees? Accidents related absenteeism.  
E. KONSTANTINOY, S. SARVANIDIS, E.C. ALEXOPOULOS *Greece*

### PP 018/218

Detecting "well-being" and "occupational health and safety" through the secondary vocational education in Greece. The contribution of sex (male/ female) into the perception for these notions  
I. BORA, D.K. PINOTSI, V. DRAKOPOULOS, V. MAKROPOULOS, T.C. CONSTANTINIDIS *Greece*

### PP 019/219

Do Greek vocational schools promote health and safety at work?  
I. BORA, D.K. PINOTSI, V. DRAKOPOULOS, V. MAKROPOULOS, T.C. CONSTANTINIDIS *Greece*

### PP 020/220

Knowledge and life skills among Greek students at the secondary vocational education towards occupational accidents and diseases.  
I. BORA, D.K. PINOTSI, V. DRAKOPOULOS, T.C. CONSTANTINIDIS, V. MAKROPOULOS *Greece*

### PP 022/31

Occupational Exposure to Diborane.  
A. JEZEWSKA *Poland*

### PP 023/241

Analysis of safety conditions of portable tower cranes at construction sites.  
J.C.RUBIO, G. MARTINEZ, M.C.RUBIO *Spain*





## Dates

The conference will start on Tuesday, 30 Sept. 2008 and will end on Friday, 3 Oct. 2008

## Official Language

The official language of the congress is English. However, simultaneous translation English-Greek and vice versa will be available to all plenary sessions and the welcome dinner.

## Conference Organizing office and secretariat

Heliotopos Conferences  
28, Ypsilantou str. GR-172 36, Dafni, Athens, Greece  
Tel.: +302109730697, Fax: +302109767208  
E-mail: [wos2008@heliotopos.net](mailto:wos2008@heliotopos.net), Website: <http://wos2008.conferences.gr>

## Exhibition

An exhibition will be organized during the conference. Should you be interested to participate with a stand, or any other commercial interest, please feel free to contact the Conference secretariat.

## Transportation

The Conference will provide shuttle service from Heraklion airport to the conference hotels at the starting and closing dates of the conference. Details and schedule times of the shuttle service will be published on the conference website on a later stage.

## Venue

The conference will be held at **CRETA MARIS** hotel, an Aegean style seaside resort Hotel & Conference Centre, situated 24 km east of the Heraklion International Airport, close to the fishing village of Hersonissos, a long sweeping bay of sandy beach and crystal clear water.  
A magnificent place to experience Cretan hospitality in association with the working program of the conference.



## Location

Hersonissos is a tourist resort near Heraklion, the city capital of the island of Crete. Hersonissos is a modern and a very busy holiday resort with innumerable hotels, bars, restaurants, night clubs and a large range of shops.

## Ημερομηνίες

Το Συνέδριο θα ξεκινήσει την Τρίτη, 30 Σεπτεμβρίου και θα ολοκληρωθεί την Παρασκευή, 3 Οκτωβρίου 2008.

## Επίσημη Γλώσσα

Η επίσημη γλώσσα του συνεδρίου είναι τα αγγλικά. Θα υπάρχει ταυτόχρονη μετάφραση από και προς τα ελληνικά μόνο κατά τη διάρκεια των κεντρικών ομιλιών και κατά τη διάρκεια του δείπνου υποδοχής.

## Γραμματεία συνεδρίου

Ηλιότοπος Συνέδρια  
Υψηλάντου 28, 172 36, Δάφνη, Αθήνα, Ελλάδα  
Τηλ.: 2109730697, Φαξ: 2109767208  
E-mail: [wos2008@heliotopos.net](mailto:wos2008@heliotopos.net), Ιστοσελίδα: <http://wos2008.conferences.gr>

## Έκθεση

Παράλληλα με το συνέδριο θα λειτουργήσει έκθεση. Οι ενδιαφερόμενοι που επιθυμούν να λάβουν μέρος στην έκθεση με περίπτερο (stand) ή άλλο τρόπο, παρακαλούνται να επικοινωνήσουν με τη Γραμματεία του συνεδρίου.

## Μεταφορές

Το συνέδριο θα παρέχει οργανωμένες μεταφορές από και προς το αεροδρόμιο του Ηρακλείου προς/ από τα ξενοδοχεία στα οποία έχει γίνει κράτηση μέσω του συνεδρίου, σε συγκεκριμένες ημέρες και ώρες. Λεπτομερές πρόγραμμα αναχωρήσεων θα δημοσιευθεί στην ιστοσελίδα του συνεδρίου.

## Συνεδριακός Χώρος

Το Συνέδριο θα πραγματοποιηθεί στο ξενοδοχείο **CRETA MARIS**, ένα τουριστικό και συνεδριακό συγκρότημα αιγαιοπελαγίτικης αρχιτεκτονικής, που βρίσκεται 24 χλμ. ανατολικά από το διεθνή αερολιμένα του Ηρακλείου, κοντά στο παραθαλάσσιο χωριό της Χερσονήσου. Μια όμορφη τοποθεσία για να απολαύσετε την κρητική φιλοξενία σε συνδυασμό με τις εργασίες του συνεδρίου.



## Τοποθεσία

Η Χερσονήσος είναι ένα τουριστικό θέρετρο κοντά στο Ηράκλειο, την πρωτεύουσα της νήσου Κρήτης. Η Χερσονήσος είναι ένα μοντέρνο και πολυσύχναστο θέρετρο διακοπών, με αμέτρητα ξενοδοχεία, μπαρ, εστιατόρια, νυχτερινά κέντρα και μεγάλο αριθμό μαγαζιών.



## Optional Tours

### **KNOSSOS & HERAKLION CITY - HALF DAY**

Only few kilometers south of Heraklion, the old capital of King Minos, the center of the magnificent Minoan Civilization is located. Our visit here will take us a step back at 2000 B.C. The palace of Knossos, famous through the myths of the Labyrinth, Minotaur, Europe, Theseus, Daedalus and Icarus will open us a window to the most ancient civilization of Europe. In Heraklion you may walk around the city and visit the Venetian town hall and the fortifications, the impressive Cathedral and the open street market.

Cost per person 39,00€



### **LASSITHI PLATEAU - FULL DAY**

Visit the famous Lassithi Plateau, the 2500-hectare fertile plain of Lassithi that lies high in the Dikti mountain. On this excursion you will see the green patchwork panorama dotted with stone windmills and you will have a chance to enjoy breathtaking views of the Cretan seascapes and landscapes. The mythical birthplace of Zeus, the cave of Psychro with its stalactites and stalagmites is one of the stops during this trip. Another stop is made at the Monastery of Kera.

Cost per person 47,00€



### **SPINALONGA-AGIOS NIKOLAOS with BBQ - FULL DAY**

Eastbound on the national road, we arrive at the small picturesque village of Elounda, where we will have the chance of a promenade around this village. Afterwards we sail to island of Spinalonga. At Spinalonga we will have a guided tour around the island. Originally, Venetians fortified the islet in 1579 by building a castle with 40 cannons and thus transforming it to a stronghold for centuries. Later it became notorious as it was the isolation center for lepers from 1903 until 1957. Then we will reach the islet of Kolokytha where you will be able to enjoy the crystal waters of Mirabello gulf as well as a BBQ. Returning to Elounda we are going to visit the beautiful town of Ag.Nikolaos. The picturesque harbour, which looks like a lake, offers an interesting walk.

Cost per person 53,00€ Including meal



### **FESTOS-GORTYN-MATALA - FULL DAY**

Festos was the second largest Minoan palace. It has a majestic location overlooking the Mesara plain. To the west the palace views the imposing Mount Psiloritis. Myths claim that Rhadamanthys, brother of Minos, founded and ruled Festos. It was an important religious, administrative and economic centre during the Minoan times. An earthquake destroyed the first palace in 1700 B.C., built here around 1900 B.C. Afterwards, the palace was rebuilt on a grander scale and this second construction is what is seen today. During the Archaic, Classical and Hellenistic periods, Festos was an independent city. The city-state was defeated in 220 A.D. by Gortyn. Archaeologists began excavations here in 1900. The Italian archaeologist Federico Halbherr headed the Italian Archaeological Mission working at Festos. His focus and direction of excavation was completely different from Evans' at Knossos and, as a result, reconstruction was minimal.

Cost per person 46,00 €



- The optional tours are at extra cost to participant.
- The Entrance fees are not included.
- All prices are in Euro Per Person including Bus/Boat and Guide Service.
- Minimum participation 25 persons.



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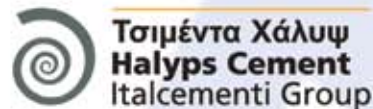


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