

ISPESL- DIPARTIMENTO

ENTE ZONA INDUSTRIALE
DI VENEZIA

Present

INTERNATIONAL WORKSHOP

***Foundations of bioelectromagnetics:
towards a new rationale for risk
assessment and management***

**Venice, Dec. 17th 2007
VEGA 1 – Palazzo Lybra- Porto Marghera**

Program

1st Session: Lectures
Chair: Felice Casson¹, Lawyer

9:00 **Welcome** by the Authorities of the City of Venice
and by the Industrial Zone of Venice

9:15 **Lectures**

Clarbruno Vedruccio², **Evidence of the interaction of weak electromagnetic fields in the band of UHF and biosystems by means of NLRI**

Livio Giuliani^{3,4}, Settimio Grimaldi^{3,5}, Antonella Lisi⁵, Enrico D'Emilia⁶
The replicability of the Zhadin effect and perspectives of application in diagnostics and therapy

Emilio Del Giudice⁷, **The organization of water as the basis of the biological organization: the special role of the ELF magnetic fields.**

10:00 Question time

¹ Senator of the Italian Republic

² Commander, Italian Navy, Marconi's law graduated

³ ICEMS Scientific Secretariat

⁴ Director of ISPEL Department

⁵ CNR-INMM, Rome

⁶ ISPEL

⁷ ICEMS Steering Committee

2nd Session: Basic Interactions of ELF
Chair: Morando Soffritti^{3, 8}, MD

10:15 Effects of weak ELF magnetic fields - Interventions

Antonella De Ninno^{7 9}, Agostina Congiu¹⁰, D. Bernardini¹¹, **Effects on enzyme activity**

Henry Lai^{7,12}, **ELF induced DNA breaks**

Mauro Cristaldi¹⁰, Ion Udroui⁶, Angelico Bedini⁶, Livio Giuliani, **ELF induced micronuclear damage in cells**

Antonella Lisi, Settimio Grimaldi, Livio Giuliani, Enrico D'Emilia and Alessandro Giacomello^{10,13}, **ELF induced stem cell differentiation**

11:00 Question time

11:15 Break

⁸ Fondazione *Bernardo Ramazzini*, Bologna, Italy,

⁹ ENEA, Frascati

¹⁰ Università La Sapienza di Roma – Facoltà di Medicina e Chirurgia, Rome

¹¹ Università di Padova

¹² University of Washington

¹³ Università La Sapienza di Roma – Facoltà di Medicina e Chirurgia, Rome

3rd Session: Basic Biointeractions due to MWs
Chair: Fiorella Belpoggi^{4,8}, Ph.D.

11:30 Effects of weak electromagnetic fields – Interventions

Massimo Scalia¹⁰, Massimo Sperini¹⁰, Fabrizio Guidi¹⁰, **A thermal noise's analysis in biological matter**

Fiorenzo Marinelli^{7,14}, **Effects of weak pulsed electromagnetic fields on gene expression**

Leif Salford^{7,15} **Nerve cell damages in mammalian brain due to MWs**

C. Georgiou¹⁶, **ELF and oxidative stress: in vivo assessment of its central component superoxide radical**

Francesco Carrozza¹⁷, **Breast cancer diagnosis possibility by means of Vedruccio's Non-Linear Resonance Interaction Scanner**

13:00 Question time

13:15 Break for lunch

¹⁴ CNR – IGM, Bologna

¹⁵ University of Lund, Neurosurgery

¹⁶ University of Patras

¹⁷ Hospital Umberto I, Reparto di Oncologia, Lugo di Romagna, Ravenna

4th Session: Effects concerning populations and epidemiology
Chair: Louis Slesin, Ph.D.

14:15 ELF/MW induced effects on populations

Nesrin Seyhan¹⁸, **Altered dynamic of populations due to MWs: the case of rabbits**

Anna Zuccherro¹⁹, **Effects on electrosensitive people**

Zhaojin Cao,²⁰ **"915MHz Electromagnetic Fields Effects on Learning and Memory of the Immature Wistar Rats"?**

Francesco Boella⁶, Francesco Mozzo⁶, Francesco Panin⁴, Livio Giuliani
Perspectives in risk management in Italy: the impact of WiMax and Wifi

15:30 Question time

15:45 Break

16:00 Round Table

ROUND TABLE

Chair: Livio Giuliani

18:30 End

Organizer Committee
Livio Giuliani, Gianluca Palma²¹

¹⁸ Gazi University of Ankara

¹⁹ MD of the Public Health Authority of Venice

²⁰ China NIEHS, Beijing

²¹ Ente Zona Industriale di Venezia, General Manager