

LASER FLORENCE 2017 - PROGRAM AT-A-GLANCE

8:30	PLENARY SESSION LEADING LECTURE	Ilko Ilev, PhD , FDA Center for Devices and Radiological Health, Bethesda, USA
LASER DENTISTRY Room A – November 10th, 2017		
Chairpersons: T. Dostalova, C. Fornaini, A. Pinheiro, J.P. Rocca		
9:00	LASER DENTISTRY: STATE-OF-THE-ART	A.Pinheiro, DDS,PhD Dentistry Dept., Bahia University
9:15	1070 NM FIBER LASER AND DI-SILICATE DENTAL CERAMIC SURFACE CONDITIONING: THERMAL AND ULTRASTRUCTURAL ANALYSIS	Fornaini C^{1,2}, Merigo E², Poli F¹, Rocca JP², Brulat N², El Gamal A², Cucinotta A¹ ¹ Information Engineering Department, University of Parma, Parco Area delle Scienze , Parma, Italy ² Micoralis Laboratory, Faculty of Dentistry, Univ. of Nice, 24 Av. des Diabes Bleus, 06357 Nice, France
9:30	AT HOME” LASER THERAPY: A NEW APPROACH FOR LLLT?	Merigo E^{1,2}Rocca JP¹, Oppici A², Cella L², Fornaini C¹, ¹ Micoralis Laboratory, Faculty of Dentistry, University of Nice, 24 Av des Diabes Bleus, 06357 Nice, France ² “Special needs” Dental Unit, Guglielmo da Saliceto” Hospital, via Taverna, 10 – 29100 - Piacenza – Italy
9 :45	LOW-LEVEL LASER THERAPY AFTER WISDOM TEETH SURGERY: EVALUATION OF IMMUNOLOGIC MARKERS-SECRETORY IGA, LYSOZYME LEVELS, AND THERMOGRAPHIC EXAMINATION-PLACEBO-CONTROLLED STUDY	T.Dostalova, Veronika Kroulikova, Stepan Podzimek, Helena Jelinkova Charles University, 2nd Medical Faculty, Department of Stomatology, Vvvalu 84, Technical University in Prague, Faculty of Nuclear Sciences and Physical Engineering, Prague Charles University, 1st and 2nd Medical Faculty, Czech, Czech Republic
10	FUNDAMENTAL APPLICATIONS OF ER,CR:YSGG LASER IN COMBINATION WITH DIODE 980NM WAVELENGTH	Salam Alakash,, MD Amman, Jordan Private clinic, Conservative and Laser Dentistry, Jordan
10 :15	COFFEE-BREAK	

LASER ENT AND SAFETY

Chairpersons:

G. Bastianelli, Cheng-Jen Chang, P. Smalley

10:30	SNORING: AN OUTPATIENT NON INVASIVE TREATMENT WITH ERBIUM:YAG LASER	Isabelle Fini Storchi Studio Medico Dr. Isabelle Fini Storchi, Florence, Italy
10:45	CONTINUOUS COOLING SYSTEM IN CONJUNCTION WITH LASER SURGERY FOR EAR RESHAPING	Cheng-Jen Chang, MD, PhD, FACS Department of Plastic Surgery, Taipei Medical University Hospital, Taipei,, Taiwan
11:00	NEW TREATMENT OF CHRONIC PROLIFERATIVE AND OBSTRUCTIVE OTITIS EXTERNA IN DOGS WITH COMBINATION OF HARD PHOTODYNAMIC- AND LOW LEVEL LASERS	K. Kovacs , VMD Laser Vet Clinic, Budapest, Hungary
11:15	LASER IN ENT REVIEW	G. Bastianelli
11:30	STAFF SAFETY FIRST = PATIENT SAFETY ALWAYS: USING WORKPLACE AUDIT TO ENSURE LASER SAFETY IN CLINICAL PRACTICE	Penny J. Smalley, R.N., CMLSO Chicago, Illinois, USA
12:00	NO SMOKING IN THEATRE - IT'S TIME TO CLEAR THE AIR	Penny J. Smalley, R.N., CMLSO

BASIC SCIENCE AND LASER PHYSICS

Room B – November 10th, 2017

Chairpersons:

H. Avetissian, S. Gonchukov, M.L. Pascu, F. Sicurello, J. Vaitkus

9:00	THE DIFFERENTIATION OF BENIGN AND MALIGNANT TUMORS USING DYNAMIC LIGHT SCATTERING METHOD IN SERUM	S. Gonchukov, PhD Physic Institute, Moscow State University, Russia
9:15	LASER MICROSPECTROSCOPY IN FIGHTING MULTIPLE DRUG RESISTANCE	Mihail Lucian Pascu , National Institute for Laser, Plasma and Radiation Physics, Bucharest, Romania Ruxandra Pirvulescu , <i>University of Medicine and Pharmacy "Carol Davila", Emergency University Hospital, Ophthalmology Clinic, Bucharest, Romania</i> Ionut Relu Andrei , National Institute for Laser, Plasma and Radiation Physics, Bucharest, Romania Mihai Boni , National Institute for Laser, Plasma and Radiation Physics, Bucharest, Romania Tatiana Tozar , National Institute for Laser, Plasma and Radiation Physics, Bucharest, Romania
9:30	A SUTURELESS CONDUCTIVE PATCH FOR ENHANCING THE CARDIAC ELECTRIC SIGNAL.	Damia Mawad . School of Materials Science and Engineering, University of New South Wales, Sydney, NSW 2052, Australia
9:45	GENDER AND AGE RELATED PECULIARITIES OF FLUORESCENCE FROM MEDICAL SAMPLES	A. Vaitkuvienė, I. Ciplys, D. Varanius, V. Gegzna, R. Kurtinaitienė, J.V. Vaitkus Vilnius University
10:00	EXPLORATORY AND CLASSIFICATORY ANALYSIS FOR MEDICAL SPECIMENS' SPECTROSCOPIC SIGNALS OBTAINED BY LASER EXCITATION	V. Gegzna, I. Ciplys, J.V. Vaitkus, O. Kurasova, R. Kurtinaitienė, A. Vaitkuvienė, G. Dzemyda Vilnius University
10:15	NON-CONTACT PROCEDURE TO MEASURE HEART AND LUNG ACTIVITIES IN PRETERM PEDIATRIC PATIENTS WITH SKIN DISORDERS.	L. Scalise, P. Marchionni, V.P. Carnielli, E.P. Tomasini Faculty of Engineering, Ancona University
10:30	CHITOSAN ADHESIVE SCAFFOLDS FOR TISSUE REPAIR AND STIMULATION	Antonio Lauto, PhD . The Biomedical Engineering and Neuroscience Group - Western Sydney University - NSW Australia
10:45	LASERS LIGHT & DRUGS, COMBINED OR COMPERED, FOR PDT & LPL THERAPY	Farouk Al Watban, PhD Riyadh, Kingdom of Saudi Arabia KFSH&RC,WALA, Medical Laser
11:00	COFFEE - BREAK	

TALK POSTER SESSION

**ROOM A - November 11th, 2017
h 12:45 – 14:00**

Chairpersons:

G. Calderhead, H. Jelinkova, , E. Merigo , A. Vaitkuviene

1	A COMPARATIVE STUDY OF CASTOR OIL USING RAMAN SPECTROSCOPY TECHNIQUE AND MULTIVARIATE ANALYSIS Dr. JUAN CARLOS MARTINEZ ESPINOSA,	J. C. Martinez Espinosa¹, T. A. Gallegos de los Santos², T. Córdoba Fraga², J. Bernal Alvarado², M.S. Osegueda Robles² ¹ Instituto Politecnico Nacional-Upiig, Silao de la Victoria ² Departamento de Ingeniería Física – DCI, Universidad de Guanajuato campus León, Loma del Bosque N. 103, Lomas del Campestre, 37150 León, GTO, México jcmartineze@ipn.mx
2	COMPACT ND:YAG LASER OPERATING AT 1.06, 1.32, AND 1.44 UM IN DENTISTRY	M. Kadlecová, T. Dostalova, H. Jelinkova, M. Nemeč, J. Sulc, M. Fibrich, K. Nejezchleb, N. Kapitch Charles University 2nd Faculty of Medicine and University Hospital in Motol, Prague, Czech Technical University in Prague, Faculty of Nuclear Sciences and Physical Engineering, Crytur, Turnov, Czech Republic
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LASER BIOMODULATION: SCIENTIFIC RESEARCH and CLINICAL PRACTICE

Room A – November 11th, 2017

Chairpersons:

R. Lopes Martins, A. Mester, L. Navratil, K. Samoilova

11:00	LASER THERAPY IN TENDINOPATHIES	R. Lopes Martins, Ph.D. Dean of Biomedical Engineering at University of Mogi das Cruzes - SP - Brazil
11:15	LASER BIOSTIMULATION THERAPY PLANNING SUPPORTED BY IMAGING	Adam Mester, MD., Ph.D., National Laser Therapy Centre Peterfy Sandor Teaching Hospital, Budapest
11:30	PHOTOBIMODULATION CLINICAL APPLICATIONS AND EFFECTS: AN UPDATE ON MECHANISMS	Raymond J. Lanzafame, M.D., M.B.A., F.A.C.S. Raymond J. Lanzafame, MD PLLC, Rochester, NY USA
11:45	DYNAMIC CHANGES IN GAMMA-IRRADIATED MICE TREATED WITH LASER	Yulia Efremova, Zuzana Sinkorova, Jaroslav Racek, Anna Lierova, Marcela Jelicova, Leos Navratil
12:00	MID-INFRARED LASERS AND THEIR APPLICATIONS	Helena Jelinkova, Maxim Doroshenko, Jan Sulc, Michal Nemec, Michal Jelinek
12:15	PHOTOBIMODULATION OF AUTOIMMUNE SKIN DISEASES IN SMALL ANIMALS	K. Kovacs , VMD Laser Vet Clinic, Budapest, Hungaria
12:30	WATTS A JOULE: LASER TERMINOLOGY REVISITED	G, Calderhead, PhD DrMedSci, FRSM (SK) -Korean Inst. Photomed. & Surg. Res. (KIPPR), Goyang
12:45	TALK POSTER SESSION LIGHT LUNCH	

LASER/LIGHT IN AESTHETIC MEDICINE AND SURGERY		
Room A – November 10th, 2017		
Chairpersons: K.Khatri, T. Lotti, N. Nimsakul, T. Oshiro, H. Teixeira		
16:45	HAEMANGIOMA - LASER MANAGEMENT. A CASE STUDY	Sharon Krishna MS,FAGE,FAIS Billroth Hospital R A Puram,52, Second main Road, R A Puram Chennai 600028, India
17:00	DOPPLER LASER IMAGING PREDICTS RESPONSE TO TOPICAL MINOXIDIL IN THE TREATMENT OF FEMALE PATTERN HAIR LOSS	A. Goren, J. McCoy, M. Kovacevic, M. Situm, A. Stanimirovic, Z. Bolanca ¹ Applied Biology, Inc., Irvine, CA 92614, USA ² Department of Dermatology and Venereology, University of Rome "G.Marconi", Rome, Italy.
17:15	COMPLICATIONS AND UNFAVORABLE RESULTS OF LASER CO2 SURGERY OF INGROWN TOENAILS AND PLANTAR WARTS	A.Baruchin, MD, O. Baruchin, MD Plastic Surgery Dept, Ben-Gurion Univ. Beer-Sheba, Askelon, Israel
17:30	HERBIUM LASER AND LOW DOSE CYTOKINES THERAPY: A NEW TOOL FOR VITILIGO TREATMENT	Gianfaldoni S.*, Gianfaldoni R.*, Lotti T.** * MD, Dermatologist and Venereologist, Pisa, Italy **MD (Hon), Professor & Chair of Dermatology University of Rome "G. Marconi", Italy
17:45	MINIMALLY INVASIVE METHODS IN REGENERATIVE AND AESTHETIC MEDICINE	Fulvio Tomaselli, MD Honorary President, SIME, Rome
18:00	LASER RESURFACING IN ASIAN PATIENTS	Cheng-Jen Chang, MD, PhD, FACS Taipei Medicine University Hospital
18:15	LASER LIPOLYSIS with 1470 nm AND ITS IMPLEMENTATION	Zoran Zgaljardic MD, PhD ,Ivonne Zgaljardic,MD Zagreb - Croatia
18:30	FACE AND LABIAL REJUVENATION WITH THE NEW ND-YAG 1064 PICOSECONDS LASER	Heitor Teixeira and Carolina Teixeira, Medilaser Clinic Surgery, Aveiro, Portugal
18:45	ND-YAG 1064 PICOSECONDS LASER TATTOO ABLATION	Heitor Teixeira and Carolina Teixeira Medilaser Clinic Surgery, Aveiro, Portugal
19:00	ADJUNCTIVE INDICATIONS OF 830 NM LED-LLLT FOR THE AESTHETIC SURGEON	R Glen Calderhead, PhD DrMedSci, FRSM (SK) -Korean Inst. Photomed. & Surg. Res. (KIPPR), Goyang
19:15	OPEN CEREMONY WITH WELCOME COCKTAIL AND LEADING LECTURE MEMORIAL TO ISAAC KAPLAN – T. Ohshiro MEMORIAL TO VENKATASAMI JEGANATHAN – B.K. Rau HISTORY OF LASER MEDICINE – A. Mester	

LASER AND DRUGS		
Room A – November 10th, 2017		
Chairpersons: I. Ilev, J. Jagdeo, R. Lubart, F. Tomaselli, V. Tsepolenko		
14:45	COMPLEX APPROACH TO SKIN REJUVENATION BY MEANS OF LASER AND CELL TECHNOLOGIES	Vladmir Tsepolenko President, Ukraine Society of Aesthetic Medicine, Odessa
15:00	CORRECTION OF CICATRICAL SKIN DEFORMITIES BY MEANS OF LASER AND CELL TECHNOLOGIES	Anna Tsepolenko Dermatovenerologist, Chief of the regenerative, laser and photo-technologies Dept, Course instructor at the European school of aesthetic medicine of USEM Institute of esthetic medicine "Virtus", Odessa, Ukraine.
15:15	UVB ILLUMINATION INDUCES ROS FORMATION BY ZnO NANO PARTICLES	R. Lubart, U. Dotan and H. Friedmann Bar Ilan University, Ramat Gan, Israel
15:30	LASER SYNTHESIS OF HYBRID NANOPARTICLES FOR BIOMEDICINE	H. Avetissian , Physics Institute, Yerevan University
19:45	LIGHT EMITTING DIODE RED LIGHT FOR PSORIASIS IN VITRO SELECTION OF PHOTOBIMODULATORY PARAMETERS	Jared Jagdeo , associate professor of dermatology, UC Davis department of dermatology, USA
16:00	MEDICAL COSMETOLOGY AROUND THE LASER THERAPY	Gloriana Assalti , Cosmetology Professor, Rome
16:15	LASER TISSUE INTERACTION USE OF LASERS DURING ISOTRETINOIN THERAPY	K. Khatri , Skin & Laser Center, Boston
16:30	COFFEE BREAK	

ROOM B – NOVEMBER 10TH, 2017	
11 - 19	WORKSHOPS AND FREE LECTURES

8:30	PLENARY SESSION LEADING LECTURE	PHOTOBIOLOGICAL DOSIMETRY OF TISSUE EXPOSURE D. Sliney, Biophysicist, USA
LASER/LIGHT IN SURGERY		
Room A – November 11th, 2017		
Chairpersons: A. Baruchin, Ming Chieng Kao, S. Krishna, R. Lanzafame, M. Stark, B.K.Rau		
9:00	THE VISION OF VIEZION : A NEW APPROACH TO ONCOLOGICAL TREATMENTS	M. Stark, , MD, PhD President, The New European Surgical Academy (NESA) Unter den Linden 21 - 10117 Berlin, Germany
9:15	LASER APPLICATIONS IN MEDICINE: AN EVOLUTION	Raymond J. Lanzafame, M.D., M.B.A., F.A.C.S. Raymond J. Lanzafame, MD PLLC; Rochester, NY USA
9:30	VARICOSE VEINS ENDOLUMINAL LASER ABLATION FROM DE BEGINNING ELVT TILL NOW CELIV	Heitor and Carolina Teixeira, Oporto, Portugal
9:45	LASER THERAPY OF FEMALE INFERTILITY	T. Ohshiro, MD, PhD, Ohshiro Clinic, Tokyo, Japan
10:00	LASER DIAGNOSTICS TECHNOLOGIES FOR DEGENERATION AND MODIC CHANGES DETECTION IN HUMAN INTERVERTEBRAL DISC SAMPLES	J.V. Vaitkus, D. Varanius, V. Gegzna, I. Ciplys, G. Terbetas, A. Vaitkuviene Vilnius University
10:15	THE ANALYSIS OF TECHNIQUES FOR INTERVERTEBRAL DISC SAMPLES' AUTOFLUORESCENCE-SPECTRA-BASED CLASSIFICATION	I. Ciplys, V. Gegzna, D. Varanius, A. Vaitkuviene, G. Terbetas, J.V. Vaitkus. Vilnius University
10:30	THE PERCUTANEOUS LASER DISC DECOMPRESSION FOR SLIPPED DISC ACCORDING TO THE CHOY'S METHOD: PERSONAL EXPERIENCE ON 4,000 PATIENTS AND LONG FOLLOW-UP	G.P. Tassi, Neurosurgeon, Queen Anne Street Medical Centre, London, UK
10:45	COFFEE BREAK	

LASER REHABILITATION IN CENTRAL NERVOUS SYSTEM INJURIES

• Room A November 11th, 2017

Chairpersons:

J. Anders, Y. Asagai, L- Longo, P. F. Parra, S. Rockhind

14:45	TREATMENT AND SUPPORTIVE EFFECT OF LASER PHOTOBIO-MODULATION IN PERIPHERAL NERVE AND SPINAL CORD INJURIES.	S. Rockkind, MD, PD, Neurosurgery Institute, Tel Aviv University, Israel
15:00	THE POSSIBLE ROLE OF NON-VISUAL OPSINS IN THE MAMMALIAN NERVOUS SYSTEM	J. Anders, PhD Uniformed Services University of the Health Sciences 4301 Jones Bridge Road, Bethesda, Maryland Director Photobiomodulation Technical Group, Optical Society of America
15:15	26 YEARS' EXPERIENCE OF LOW LEVEL LASER THERAPY (LLL) FOR CHILDREN WITH CEREBRAL PALSY	Yoshimi Asagai, MD Department of Orthopedic Surgery, Shinano Handicapped Children's Hospital 6525-1 Shimosuwa
15:30	THE ROLE OF MULTI-WAVELENGTHS LASER THERAPY IN THE TREATMENT OF CENTRAL NERVOUS SYSTEM INJURIES	L Longo, MD, O Sheykh, MD, D Longo, PT, P. Lippi, PT, MSc¹, G Cherubini, PT, V. Mangé, PT¹, M. Giudici, PT¹ Institute Laser Medicine, International Academy for Laser Medicine and Surgery, Florence, Italy ¹ University of Florence- Florence, Italy
15:45	EFFECTS OF LASER THERAPY AND GRIMALDI'S MUSCLE SHORT MANOEUVRE ON SPASTICITY, IN CNS-INJURIES	D. Longo, PT, MSc St. ¹, L. Longo, MD¹, P. Lippi, PT, MSc², G. Cherubini, PT, MSc St¹, V. Mangé, PT, MSc St.¹, M. Giudici, PT¹, ¹ Institute Laser Medicine, International Academy Laser Medicine And Surgery, Firenze – Italy ² University of Florence- Florence, Italy
16:00	THE COMBINATION OF HILTHERAPIA WITH "GRIMALDI" PHYSIOTHERAPY TECHNIQUE TO ACHIEVE A FUNCTIONAL REHABILITATION POST STROKE	A, Venieris, PT
16:15	EFFECTS OF LASER THERAPY AND GRIMALDI'S MUSCLE SHORT MANOEUVRE ON WALKING PATTERN, IN PATIENTS AFFECTED BY INCOMPLETE SPINAL CORD INJURIES	D. Longo, PT, MSc St. ¹, L. Longo, MD¹, P. Lippi, PT, MSc², O Sheykh, MD¹, G. Cherubini, PT, MSc St¹, V. Mangé, PT, MSc St.¹, M. Giudici, PT¹, ¹ Institute Laser Medicine, International Academy Laser Medicine And Surgery, Firenze – Italy ² University of Florence- Florence, Italy
16:30	TRANSCRANIAL PHOTOBIO-MODULATION FOR STRESS: WHY, WHEN, AND WHERE TO TREAT	Nicholas A. Wise, D.C. Post-Doctorate Research Fellow, Program on Integrative Med., Physical Medicine and Rehabilitation, Univ- of North Carolina- Chapel Hill, 187 School of Med, Wing D Chapel Hill, 7200, USA
16:45	COFFEE BREAK	

LASER REHABILITATION - MISCELLANEA

Room A – November 11th, 2017

Chairpersons:

G.D. Baxter, P. Lippi, A. Venieris, N. Wise

17:00	LASERS IN PHYSICAL THERAPY :STATE –OF-THE-ART	G.D. Baxter , D, BSc, DPhil, MCSP (GB) – Dean, Otago Univ.(NZ), School of Health Sciences Dunedin, New Zealand
17:15	MOTOR CONTROL A BRIDGE BETWEEN NEUROSCIENCE AND REHABILITATION	Daniele Piscitelli , PhD School of Medicine and Surgery, PhD Program in Neuroscience, University of Milano-Bicocca, Milan, Italy
17:30	TREATMENT OF MENISCO-CAPSULAR JUNCTION TEARS WITH HIGH POWER LASER	Pier Francesco Parra¹, MD, Giannino Algeri¹, Daniele Checcarelli², PT ¹ Visiting Professor in Pisa Univ., Fac. Medicine and Surgery ² Physiatrist, Department of Rehalilitation, USL Umbria 2 – local health service of Umbria Region
17:45	LASER THERAPY OF SPORT INJURIES: NEWS	L Longo, MD, O Sheykh, MD, D Longo, PT, P. Lippi, PT, MSc¹,G Cherubini, PT, V Mangé, PT¹ and M. Giudici, PT¹ Institute Laser Medicine, International Academy for Laser Medicine and Surgery, Florence, Italy ¹ University of Florence- Florence, Italy
18:00	EFFECT OF LASER STELLATE GANGLION STIMULATION ON THE AUTONOMIC NERVOUS SYSTEM	Francesco Paperini^{1,2,3}, PT Claudio Deriu¹, PT, PESS Luca Farinelli⁴, PT Cristina Minneci^{1,3}, PT, MSc ¹ Riabilita, Rehabilitation Firm, Pisa, Italy. ² Functional Clinic, Rehab. Centre, Rosignano Solvay, Italy ³ Starbene SRL, Rehabilitation Centre, Cerreto Guidi, Italy ⁴ My Physio, Rehabilitation Firm, Borgo a Mozzano, Italy
18:15	ADVANCED LASER THERAPY OF INDURATIO PENIS PLASTICA	L Longo, MD, O Sheykh, MD Institute Laser Medicine, International Academy for Laser Medicine and Surgery, Florence, Italy ¹ University of Florence- Florence, Italy
18:30	BENEFITS OF HIGH POWER LASER THERAPY FOR PATIENTS WITH DISORDERS OF THE MUSCULOSKELETAL SYSTEM	Navratil Vaclav, Prihoda Ales, Blaskova Eliska, Kimlickova Monika, Efremova Yulie, Navratil Leos The Faculty of Biomedical Engineering of the Czech Technical University in Prague, Department of Health Care Disciplines and Population Protection, Kladno, Czech Rep Clinic THERAP TILIA, Prague, Czech Republic
18:45	ADDITIVE EFFECTS OF LOW-LEVEL LASER THERAPY TO EXERCISE IN PATIENTS WITH SHOULDER DISORDERS: A SYSTEMATIC REVIEW AND META-ANALYSIS	Adedapo Awotidebe¹, G Inglis-Jassiem², T Young² ¹ Faculty of Allied Health Sciences, Department of Physiotherapy, Bayero University Kano, Nigeria. ² Centre for Evidenced-based Health Care, Faculty of Medicine and Health Sciences, Stellenbosch University, Cape Town 7505, South Africa
19:00	CONCLUSION	

ROOM B – NOVEMBER 11TH, 2017

9 - 19	WORKSHOPS AND FREE LECTURES
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