

PARMA ITALY

WFLD  
2019

EUROPEAN  
20/22 JUNE

SOUND OF LIGHT

7<sup>th</sup> EUROPEAN DIVISION FOR LASER IN DENTISTRY  
CONGRESS  
OF THE EUROPEAN FEDERATION FOR LASER IN DENTISTRY







## COMMITTEE



**Paolo Vescovi** Italy  
*Chairman of the Organizing Committee of the 7<sup>th</sup> WFLD-ED Congress*



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Italy



**Alessandro Del Vecchio**  
Italy



**Marco Meleti**  
Italy



**Maddalena Manfredi**  
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*Chairman Legal Affairs and International WFLD*



**Kenji Yoshida** Japan  
*Honorary President of the 7<sup>th</sup> WFLD-ED Congress*

## KEYNOTE SPEAKERS AND CHAIRPERSONS



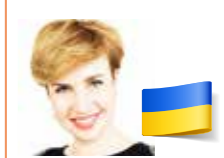
**Aghassi Elina**  
Iran



**Amaroli Andrea**  
Italy



**Arnabat Josep**  
Spain



**Barylyak Adriana**  
Ukraine



**Benedicenti Stefano**  
Italy



**Bertrand Caroline**  
France



**Bogdan Crişan**  
Romania



**Brugnera Aldo**  
Brasil



**Caccianiga Gianluigi**  
Italy



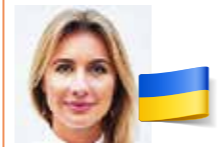
**Cafaro Adriana**  
Italy



**Caprioglio Claudia Giulia**  
Italy



**Cattoni Francesca**  
Italy



**Cherepynska Yulia**  
Ukraine



**Crippa Rolando Giuseppe**  
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**Espana Toni**  
Spain



**Favia Gianfranco**  
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**Gaeta Giovanni Maria**  
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**Giraldo Hernan**  
Colombia



**Grzech-Leśniak Kinga**  
Poland



**Heyselaer Daniel**  
Belgium










**Kaitsas Vasilios**  
Greece



**Lahmouzi Jamila**  
Belgium

## PROGRAMME AT A GLANCE

### KEYNOTE SPEAKERS AND CHAIRPERSONS

|   |   |   |  |
|---|---|---|--|
| <br><b>Magnoni Cristina</b><br>Italy       | <br><b>Mahler Patrick</b><br>France            | <br><b>Monteiro Luis</b><br>Portugal         | <br><b>Mortellaro Carmen</b><br>Italy        |
| <br><b>Olivi Giovanni</b><br>Italy         | <br><b>Oppici Aldo</b><br>Italy                | <br><b>Painelli Anna</b><br>Italy            | <br><b>Pentenero Monica</b><br>Italy         |
| <br><b>Podoleanu Adrian</b><br>Uk         | <br><b>Rasca Emilia</b><br>France             | <br><b>Rey Gérard</b><br>France             | <br><b>Romagnoli Ercole</b><br>Italy        |
| <br><b>Roncati Marisa</b><br>Italy       | <br><b>Salina Sergio</b><br>Italy            | <br><b>Spadari Francesco</b><br>Italy      | <br><b>Stübinger Stefan</b><br>Switzerland |
| <br><b>Terenziani Francesca</b><br>Italy | <br><b>Valamvanos Konstantinos</b><br>Greece | <br><b>Vitale Marina Consuelo</b><br>Italy | <br><b>Zanin Fatima</b><br>Brasil          |

### THURSDAY 20<sup>TH</sup> JUNE 2019

|               | AULA MAGNA   | AULA DEI FILOSOFI   | AULA DEI CAVALIERI |
|---------------|--|---|--------------------|
| 14.00         | <b>1<sup>st</sup> CONGRESS OF IAE</b><br>(INTERNATIONAL ACADEMY OF EMDOLA) | <b>DENTAL HYGIENE SOCIETIES MEETING</b><br>Non-surgical treatment of periodontis and perimplantitis: traditional approach vs new technologies<br>Working language: Italian<br>Chairs: U. Romeo, A. Del Vecchio, A. Oppici |                    |
| 14.30         |  |   |                    |
| 16.00 - 16.30 | Coffee Break   |   |                    |
| 17.00 - 18.45 |  |   |                    |
| 19.00 - 22.00 | WELCOME COCKTAIL - University Garden                                       |   |                    |

### FRIDAY 21<sup>ST</sup> JUNE 2019

|               | AULA MAGNA  | AULA DEI FILOSOFI   | AULA DEI CAVALIERI   |
|---------------|---|---|--|
| 9.00 - 9.30   | <b>OPENING CEREMONY</b>   |   |  |
| 9.30 - 9.45   | MEMORIAL OF PROF. KENJI YOSHIDA<br>Prof. Sam Namour   |   |  |
| 10.00 - 10.30 | LECTIO MAGISTRALIS<br>Prof. Carmen Todea  |   |  |
| 10.30 - 11.00 | Coffee Break  |   |  |
| 11.00 - 12.15 | <b>PERIODONTOLOGY</b><br>Chairs: A. Brugnera, C. Todea, S. Namour<br>Keynote speaker: T. Zeinoun                                | <b>PROSTHODONTICS</b><br>Chairs: J. Arnabat, C. Bertrand, F. Zanin<br>Keynote speakers: F. Cattoni, H. Giraldo        | WORKSHOP   |
| 12.15 - 13.30 | <b>ORAL AND MAXILLOFACIAL SURGERY</b><br>Chairs: D. Heysselaer, P. Mahler, P. Vescovi<br>Keynote speakers: S. Namour, T. Espana | <b>PHOTOBIOMODULATION</b><br>Chairs: L. Monteiro, K. Grzech-Lesniak, M. Meleti<br>Keynote speaker: A. Del Vecchio     | <b>PHOTODYNAMIC THERAPY</b><br>Chairs: M. Manfredi, G. Caccianiga, J. Cherepinskaya<br>Keynote speaker: G.Rey                              |
| 13.30 - 14.30 | Lunch   |   |  |
| 14.00 - 14.30 | Sala dei Prorettori EXECUTIVE BOARD WFLD  |   |  |
| 14.30 - 16.00 | <b>IMPLANTOLOGY</b><br>Chairs: T. Zeinoun, A. Baryliak, K. Valamvanos<br>Keynote speakers: J. Arnabat, M. Roncati               | <b>ORTHODONTICS</b><br>Chairs: M.C. Vitale, C. Caprioglio<br>Keynote speaker: G. Caccianiga                           | <b>REGENERATIVE MEDICINE</b><br>Chairs: A. Del Vecchio, G. Gaeta, C. Mortellaro<br>Keynote speakers: S. Benedicenti, A. Amaroli, R. Crippa |
| 16.00 - 16.30 | Coffee Break  |   |  |
| 16.30 - 18.00 | <b>ORAL MEDICINE</b><br>Chairs: S. Namour, P. Vescovi<br>Keynote speakers: U. Romeo, L. Monteiro                                | <b>IMPLANTOLOGY</b><br>Chairs: J. Arnabat, S. Salina, J. Lahmouzi<br>Keynote speakers: M. Dominiak, K. Grzech-Lesniak | WORKSHOP   |
| 20.30 - 24.00 | GALA DINNER & LASER FLUO PARTY - Felino Castle  |   |  |

### SATURDAY 22<sup>ND</sup> JUNE 2019

|               | AULA MAGNA   | AULA DEI FILOSOFI   | AULA DEI CAVALIERI   |
|---------------|--|---|--|
| 9.00 - 11.00  | <b>RESTORATIVE DENTISTRY</b><br>Chairs: U. Romeo, A. Del Vecchio, M. Pentenero<br>Keynote speakers: A. Brugnera, F. Zanin, G. Olivi  | <b>LASER DIAGNOSTIC</b><br>Chairs: S. Namour, M. Dominiak, F. Spadari<br>Keynote speakers: A. Podoleanu, A. Painelli, F. Terenziani, C. Magnoni | <b>LASER RESEARCH</b><br>Chairs: G. Rey, E. Aghassi, G.F. Favia<br>Keynote speakers: J. Cherepinska, S. Stübinger, K. Valamvanos |
| 11.00 - 11.30 | Coffee Break   |   |  |
| 11.30 - 13.00 | <b>ENDODONTICS</b><br>Chairs: U. Romeo, S. Benedicenti, C. Bogdan<br>Keynote speaker: R. De Moor                                     | <b>PEDIATRIC DENTISTRY</b><br>Chairs: C. Todea, E. Rasca, J. Cherepinskaya<br>Keynote speakers: M.C. Vitale, C. Caprioglio                      | WORKSHOP   |
| 13.00 - 13.30 | <b>PANEL DISCUSSION</b><br>Laser Formation and Research: the future of laser in Europe<br>Presidents of the European Laser Societies |   |  |
| 13.30 - 14.00 | <b>CONCLUSIONS AND AWARD CEREMONY</b>  |   |  |
| 14.00 - 15.00 | ASSEMBLEA E DIRETTIVO SILO   |   |  |
| 15.00 - 16.30 | EMDOLA DIPLOMA CEREMONY  |   |  |





**1<sup>st</sup> CONGRESS OF THE  
INTERNATIONAL ACADEMY OF EMDOLA**



*Aula Magna, University of Parma*

*Chairs: S. Namour, A. Del Vecchio, C. Todea, T. Espana, J. Arnabat, U. Romeo, P. Vescovi*

- 14.00 WELCOME ADDRESS
- 14.15 **Is the newest protocol of 810 nm (diode laser) with 2 Watt in laser assisted endodontics safe for root surfaces of tooth?**  
*E. Aghassi*
- 14.30 **Evaluation of the analgesic effect induced by photobiomodulation: a pre-clinical study**  
*G. Ottaviani*
- 14.45 **Evaluation of the depth of cementum ablation by Er-YAG laser caused by different energy levels. A preliminary in vitro study**  
*H. Saad*
- 15.00 **Er, Cr: YSGG laser effect on the surface of implants with 3 different tips and different pulse energies**  
*E. Chegeni*
- 15.15 **Decontamination of root canals with Er-YAG and Nd-YAG lasers - in vitro study**  
*D. Bogatu*
- 15.30 **Photobiomodulation with a 645 nm diode laser: in vitro evaluation of proliferation and differentiation of Saos-2 cell line with or without Platelets Rich Plasma**  
*G. Ghidini*
- 15.45 **Photobiomodulation by a 635 nm (diode laser) on peri-implant bone: primary, secondary stability and bone density analysis. A randomized clinical trial**  
*J. Matys*
- 16.00 **Coffee Break**
- 16.30 **Clinical assessment of in-office dental bleaching efficiency and satisfactory using a violet led**  
*A.P. Brugnera*
- 16.45 **The Effects of 940 nm (diode laser) on human radicular dentin flexure and compressive strenght**  
*J. Donado*
- 17.00 **Debonding the veneers with laser Er Cr: YSGG (2780 nm) study 3D CT (in vitro)**  
*A.D. Tudose*
- 17.15 **In vivo effects of diode laser, and scaling and root planing on periodontally diseased root surfaces: a comparative study in different antimicrobial treatments**  
*L. Leoci, W. Antonietti*
- 17.30 **Different protocols of photobiomodulation for medication-related osteonecrosis of the jaw**  
*A. Mohsen*
- 17.45 **Cleaning of dental implant surfaces by Er: YAG laser. In vitro study**  
*M. Namour*
- 18.00 **Efficacy of low-level laser therapy for accelerating tooth movement during orthodontic treatment**  
*D. Montoya*
- 18.15 **Alveolus bone regeneration after low level laser therapy- a histological study**  
*D. Nica*
- 18.30 **The effect of PDT, of PIPS TM and the combination of PIPS TM and PDT on Enterococcus Faecalis infected root canals**  
*M. Olivi*
- 18.45 **Conclusions**

**MEETING OF ITALIAN SOCIETIES  
OF DENTAL HYGIENE**

**NON-SURGICAL TREATMENT OF PERIODONTIS  
AND PERIMPLANTITIS: TRADITIONAL APPROACH  
vs NEW TECHNOLOGIES**

*(in Italian language)*

*Aula dei Filosofi, University of Parma*

*Chairs: U. Romeo, A. Del Vecchio, M. Meleti, A. Oppici*

- 14.20 **Saluti e presentazione del Corso**
- 14.30 **La nuova classificazione della patologia parodontale e perimplantare**  
*S. Salina*
- 14.45 **Epidemiologia delle parodontiti e perimplantiti**  
*S. Solomita*
- 15.05 **Il trattamento delle patologie parodontali con tecniche tradizionali**  
*M. Luperini*
- 15.35 **Le proprietà terapeutiche della luce**  
*G.M. Nardi, M. Petruzzi*
- 16.05 **Coffee Break**
- 16.20 **Basi fisico biologiche delle applicazioni cliniche dei laser**  
*E. Romagnoli, A. Cafaro*
- 16.50 **Perimplantite: trattamento laser assistito non chirurgico in combinazione con Guided Biofilm Therapy**  
*C. Pasquale*
- 17.20 **Il trattamento Fotodinamico nella patologia dei tessuti di sostegno parodontali e implantari**  
*M. Baldoni, P. Erba*
- 17.50 **Il trattamento laser chirurgico e non chirurgico delle parodontiti e perimplantiti**  
*S. Salina*
- 18.20 **Considerazioni conclusive e chiusura del Corso**



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### SWEEPS® Photoacoustic Endodontics

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- Faster, safer and more effective
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Join us at WFLD-ED Congress 2019 for the lecture of Prof. Dr. Roeland DeMoor with title **"Fotona Novelties and Revolutionary Sweeps Endodontic Technology"** on Friday, 21<sup>st</sup> June from 11.00 to 12.15

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For related patents see: [www.fotona.com/patents](http://www.fotona.com/patents)

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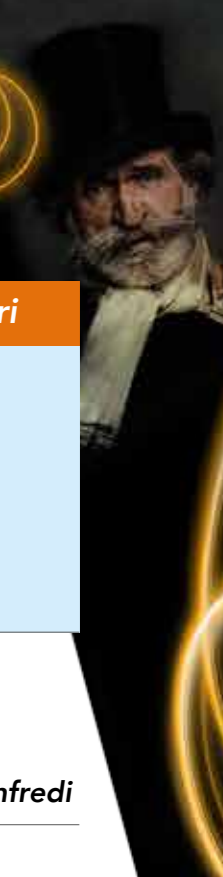
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Fotona lasers

A compact, easy  
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tailored for Your  
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## 7<sup>th</sup> EUROPEAN DIVISION CONGRESS OF THE WORLD FEDERATION FOR LASER IN DENTISTRY

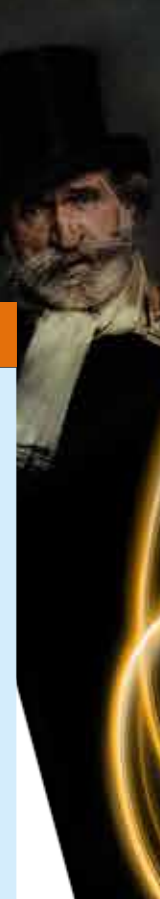
*Aula Magna, University of Parma*

- 9.00 OPENING CEREMONY
- 9.30 WELCOME ADRESSES
- 9.30 Memorial of Professor Kenji Yoshida
- 9.45 *Sam Namour*
- 9.45 **The Story of the World Federation for Laser in Dentistry**
- 10.00 *Toni Zeinoun*
- 10.00 LECTIO MAGISTRALIS
- 10.30 **The benefit of laser therapy in the predictability of tooth conservation**  
*Carmen Todea*

10.30 Coffee Break  
11.00

|                | Aula Magna   | Aula dei Filosofi   | Aula dei Cavalieri   |
|----------------|--|---|--|
| 11.00<br>12.15 | <b>PERIODONTOLOGY</b><br><i>Chairs: A. Brugnera, S. Namour, C. Todea</i>   | <b>PROSTHODONTICS</b><br><i>Chairs: J. Arnabat, C. Bertrand, F. Zanin</i>   | <p>11.00-12.15<br/><b>WORKSHOP</b></p>  <p><b>Fotona novelties and Revolutionary Sweeps endodontic technology</b></p> <p><i>Speakers: R. DeMoor, N. Malej Primc</i></p> |
| 11.00<br>11.30 | <b>Current surgical and therapeutic uses with future prospects for CO<sub>2</sub> lasers in oral surgery and periodontology</b><br><i>T. Zeinoun</i>                           | <b>Diode laser's applicability in prosthetics: clinical uses</b><br><i>F. Cattoni, B. Rebba</i>   |  |
| 11.30<br>11.45 | <b>Photodynamic therapy without dye in treatment of periodontitis and perimplantitis</b><br><i>G. Caccianiga, M. Baldoni</i>   | <b>Debonding of ceramic laminates with ER,CR: YSGG laser, in two materials, with different thickness and different parameters of irradiation</b><br><i>H. Giraldo</i> |  |
| 11.45<br>12.00 | <b>In vitro determination of the critical Ph demineralization of human dental enamel irradiated with Nd: YAG laser associated to fluoridated product</b><br><i>D.M. Zezell</i> |   |  |

|                | Aula Magna  | Aula dei Filosofi   | Aula dei Cavalieri   |
|----------------|---|---|--|
| 12.00<br>12.15 | <b>Apdt in eradication of A. Actinomycetemcomitans by three different photosensitizers</b><br><i>N. Chiniforush</i>             | <b>A non-invasive application of ER: YAG laser to remove lithium disilicate crowns from zirconia implant abutments: an in vitro study</b><br><i>K. Grzech-Leśniak</i>                     |  |
| 12.15<br>13.30 | <b>ORAL AND MAXILLO-FACIAL SURGERY</b><br><i>Chairs: D. Heysselaer, P. Mahler, P. Vescovi</i>                                   | <b>PHOTOBIO-MODULATION</b><br><i>Chairs: K. Grzech-Lesniak, M. Meleti, L. Monteiro</i>  | <b>PHOTODYNAMIC THERAPY</b><br><i>Chairs: G. Caccianiga, J. Cherepinska, M. Manfredi</i>   |
| 12.15<br>12.45 | <b>Laser-supporting periodontitis and peri-implantitis treatments</b><br><i>S. Namour</i>                                       | <b>The photobiomodulation (PBM) in oral pain management. Neurological and clinical considerations</b><br><i>A. Del Vecchio</i>  | <b>History and reality of decontamination by "photodynamic therapy without dye". Current medical researches on antibio-resistant bacteria</b><br><i>G. Rey</i> |
| 12.45<br>13.00 |   | <b>The photobiomodulation (PBM) in oral pain management. Neurological and clinical considerations</b><br><i>C. Bogdan</i>   | <b>Chronic oral candidiasis and LLLT</b><br><i>V. Candotto</i>   |
| 13.00<br>13.15 | <b>Management of vascular lesions of the oral mucosa with high power lasers</b><br><i>T. Espana</i>                             | <b>A comparative study between the effectiveness of 980 NM photobiomodulation delivered by hand-piece with gaussian vs. Flattop profiles on osteoblasts maturation</b><br><i>R. Hanna</i> | <b>Photoactivated disinfection and backscattered indicatrix use for follow-up and diagnostics of generalized periodontal disease</b><br><i>V. Burgonskyi</i>   |
| 13.15<br>13.30 | <b>Application of ER: YAG laser in surgically-aided orthodontic treatment. A long term clinical review</b><br><i>G. Turatti</i> | <b>Spontaneous bone sequestrum in patients affected by medication-related osteonecrosis of the jaw: role of photobiomodulation</b><br><i>M. Abdelfattah</i>                               | <b>Dual wavelengths in primary teeth endodontics</b><br><i>I. Madan</i>  |
| 13.30<br>14.30 | Lunch   |   |  |



**Sala dei Prorettori**

14.00 Executive Board WFLD-ED  
 14.30



|                | Aula Magna  | Aula dei Filosofi  | Aula dei Cavalieri  |
|----------------|---|--|---|
| 14.30<br>16.00 | <b>IMPLANTOLOGY</b><br>Chairs: A. Baryliak, K. Valamvanos, T. Zeinoun   | <b>ORTHODONTICS</b><br>Chairs: C. Caprioglio, M. Vitale,   | <b>REGENERATIVE MEDICINE</b><br>Chairs: A. Del Vecchio, G. Gaeta, C. Mortellaro   |
| 14.30<br>15.00 | <b>Lasers in implantology: first and second surgical surgery</b><br>J. Arnabat  | <b>Effects of photo-bio-modulation in orthodontics</b><br>G. Caccianiga  | <b>Photobiomodulation with flat top hand piece: from research to the clinic</b><br>A. Amaroli, S. Benedicenti                 |
| 15.00<br>15.15 | <b>Peri-implant diseases: cause-related laser-assisted non-surgical protocols</b><br>M. Roncati                               | <b>Diode laser application in orthodontics: clinical report</b><br>M.E. Grecolini  | <b>Laser and SDB (sleep-disordered breathing): how the light can help the sleep!</b><br>R. Crippa                             |
| 15.15<br>15.30 |   | <b>Removal of ceramic brackets using ER: YAG laser</b><br>N. Mohebbian   |   |
| 15.30<br>15.45 | <b>APDT in decontamination in maxillary sinus lift surgeries before immediate implant installation</b><br>M. De Moraes        | <b>Photobiomodulation (PBM) and acceleration orthodontic movement: the news tools</b><br>M.J. Pérez-Rodríguez  | <b>In vitro effects of LLLT on angiogenesis: endothelial cell growth and vascular formation</b><br>F. Cuisinier               |
| 15.45<br>16.00 | <b>Monitoring the biofilm formation over removable prosthesis through optical coherence tomography</b><br>A.S. Leônidas Gomes | <b>Effectiveness of photobiomodulation with low-level lasers on the acceleration of orthodontic tooth movement: systematic review and meta-analysis</b><br>M. Grajales | <b>Photobiomodulation effect of 810 NM diode laser on neurosensory recovery: behavioral assessment in rats</b><br>N. Hakimiha |
| 16.00<br>16.30 | <b>Coffee Break</b>   |  |   |

|                | Aula Magna   | Aula dei Filosofi   | Aula dei Cavalieri   |
|----------------|--|---|--|
| 16.30<br>18.00 | <b>ORAL MEDICINE</b><br>Chairs: S. Namour, P. Vescovi  | <b>IMPLANTOLOGY</b><br>Chairs: J. Arnabat, J. Lahmouzi, S. Salina   | <b>16.00 - 16.50 WORKSHOP</b><br>                                    |
| 16.30<br>17.00 | <b>Laser in the management of potentially oral malignant disorders and oral tumors</b><br>U. Romeo                             | <b>Indications and possibilities of laser use for the treatment of periimplantitis and bone regeneration</b><br>M. Dominiak               |  |
| 17.00<br>17.30 | <b>Laser treatment of oral leukoplakia. Where are we now?</b><br>L. Monteiro   | <b>The research-based future with ND: YAG and ER: YAG lasers in inflamed periodontal tissue</b><br>K. Grzech-Leśniak                      | <b>17.00 - 17.50 WORKSHOP</b><br>                                    |
| 17.30<br>17.45 | <b>LLLT and burning mouth syndrome</b><br>S. Marino  | <b>Photobiomodulation induced by polarized polychromatic noncoherent light (bioptron light): applications in dentistry</b><br>M. Petruzzi |  |
| 17.45<br>18.00 | <b>The association of photo-biomodulation and I-PRF is effective for MRONJ management? Preliminary results</b><br>F. Rocchetti | <b>The oral physician-role of the dentist today</b><br>A. Darbar  | <b>Er, Cr; YSGG laser versus Diode laser</b><br>Speaker: B. Pasagali |

**20.30**  
**FELINO CASTLE**  
 Bus from Parma  
 at 20.00







|                | Aula Magna   | Aula dei Filosofi  | Aula Cavalieri  |
|----------------|--|--|---|
| 9.00<br>11.00  | <b>RESTORATIVE DENTISTRY</b><br>Chairs: A. Del Vecchio, M. Pentenero, U. Romeo                                   | <b>LASER DIAGNOSTIC</b><br>Chairs: M. Dominiak, S. Namour, F. Spadari  | <b>LASER RESEARCH</b><br>Chairs: E. Aghassi, G.F. Favia, G. Rey   |
| 9.00<br>9.30   | <b>Laser: innovation in clinical use based upon scientific evidence. Clinical cases</b><br>A. Brugnera, F. Zanin | <b>Non invasive high resolution optical modalities for medical imaging and non destructive testing</b><br>A. Podoleanu   | <b>Benefits of laser technologies in conservative and surgical treatment of periodontitis</b><br>J. Cherepinska             |
| 9.30<br>9.45   | <b>Dental bleaching using a new system violet led: clinical evaluation</b><br>A.P. Brugnera                      | <b>Fluorescence: from basic applications to 3D imaging</b><br>A. Painelli, F. Terenziani   | <b>Experimental and clinical laser osteotomy</b><br>S. Stübinger  |
| 9.45<br>10.00  | <b>Dentinal hypersensitivity treatment using diode laser 980 NM: in vivo study</b><br>M. El Mobadder             |  |   |
| 10.00<br>10.30 | <b>From pips to sweeps: an update in endodontic irrigation</b><br>G. Olivi                                       | <b>Autofluorescence in skin biology</b><br>C. Magnoni  | <b>Combined use of PBM and PRF: a promising new modality for the management of MRONJ cases</b><br>K. Valamvanos             |
| 10.30<br>10.45 | <b>How lasers affect sensitivity?</b><br>R. Poli   | <b>Auto-fluorescence as a diagnostic tool for oral carcinoma and osteonecrosis of the jaw</b><br>I. Giovannacci  | <b>The low level laser therapy in the management of medication-related osteonecrosis of the jaws</b><br>C. Moreschi         |
| 10.45<br>11.00 | <b>Decementation (atraumatic removal) of glass fiber posts using irradiation with ER: Yag laser</b><br>J. Matys  | <b>Differential analgesic effect of 810 NM and 980 NM diode laser photobiomodulation on the immediate postoperative period for oral biopsies: a pilot study</b><br>M. Cabras | <b>Photobiomodulation at multiple wavelengths differently modulates oxidative stress in vitro and in vivo</b><br>A. Poropat |


11.00  
11.30 Coffee Break

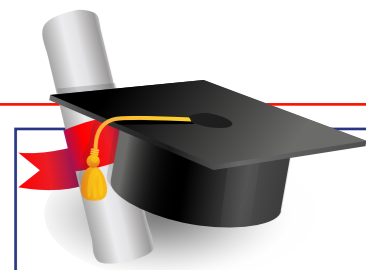
|                | Aula Magna  | Aula dei Filosofi   | Aula Cavalieri  |
|----------------|---|---|---|
| 11.30<br>13.00 | <b>ENDODONTICS</b><br>Chairs: C. Bogdan, S. Benedicenti, U. Romeo   | <b>PEDIATRIC DENTISTRY</b><br>Chairs: J. Cherepinska, E. Rasca, C. Todea  | <p>11.30 - 12.30<br/><b>WORKSHOP</b></p> <p><b>mectron</b><br/>medical technology</p> <p>Programming criteria for the correct positioning of rex implants in thin alveolar ridges<br/>Speaker: A. Rebaudi</p> |
| 11.30<br>12.00 | <b>Value added benefits of laser activated irrigation for root canal cleaning and disinfection: a critical appraisal</b><br>R. De Moor                                    | <b>Dental trauma in pediatric dentistry: a new approach by laser therapy</b><br>M.C. Vitale, C. Caprioglio  |   |
| 12.00<br>12.15 | <b>The effectiveness of laser beam in removal of fractured niti endodontic files. An in vitro pilot study</b><br>L. Misoaga   | <b>Laser-assisted surgery for treatment of oral epulis in a teenager patient</b><br>M. Musoni   |   |
| 12.15<br>12.30 | <b>The use of the electromagnetic field and leds light therapy in regeneration of periapical bone structures of the teeth in the endodontic treatment</b><br>M. Jedlinski | <b>Advantages and disadvantages in the use of laser in the biopsy of the hpv lesions</b><br>D. Pergolini  |   |
| 12.30<br>12.45 | <b>Evaluation of the depth of cementum ablation by Er-YAG laser caused by different energy levels. A preliminary in vitro study</b><br>S. Houeis                          | <b>ER,CR: YSGG laser irradiation associated to fluoride for in situ model using gamma sterilized dentin and enamel</b><br>C.B. Zamataro   |   |
| 12.45<br>13.00 | <b>Dental lasers used for decontamination - a review</b><br>G.D. Constantin   | <b>Maxillary orthodontic expansion assisted by unilateral alveolar corticotomy and low-level laser therapy: a novel approach for correction of posterior unilateral cross-bite in adults</b><br>A. Lo Giudice |   |





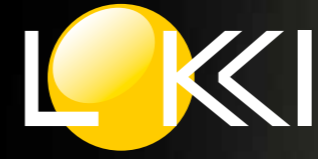
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|       | Aula Magna  | Aula dei Filosofi | Aula Cavalieri   |
|-------|---|-------------------|--|
| 13.00 | <b>Panel Discussion</b>   |                   |  |
| 13.30 | <b>Laser Formation and Research: the future of the laser in Europe</b><br><i>Presidents and Representatives of European Laser Societies</i> |                   |  |
| 13.30 | CONCLUSIONS AND   |                   |  |
| 14.00 | AWARD CEREMONY  |                   |  |
| 14.00 |   | ASSEMBLEA SILO    |  |
| 14.30 |   |                   |  |
| 14.30 |   | DIRETTIVO SILO    |  |
| 15.00 |   |                   |  |

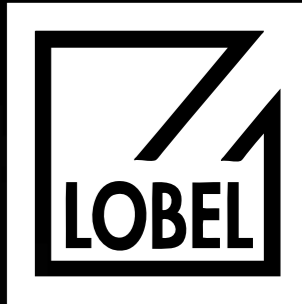


15.00 - 16.30  
**Aula Magna**

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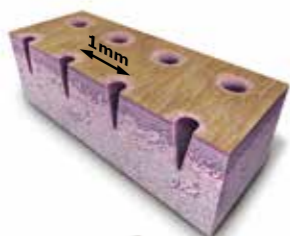
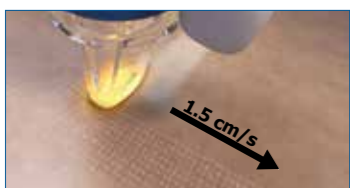
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### CONGRESS VENUE

University of Parma  
Via Università, 12 - Parma (Italy)  
GPS: 44.801321, 10.325642  
The venue is placed in Parma city centre.  
Bus Lines: 1, 3, 4, 5, 8 (Stop: Strada Mazzini)  
Nearest parking areas: GOITO, TOSCHI, KENNEDY, STAZIONE.  
*Please note that car circulation is not allowed in Parma city center.*

### CONGRESS WEBSITE AND APP

For further information visit the congress website [www.wfld2019.eu](http://www.wfld2019.eu) or download the congress app from Apple store and Google Play.

*Gala Dinner*

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The Congress Gala Dinner will take place inside the ancient walls of the Felino Castle.

A bus transfer from Parma to the Castle will be provided to all participants who selected the option through the registration system.

Pick up at TOSCHI BUS STOP - Viale Toschi, 2 - Parma  
The bus leaves at 20.00 pm

The bus back to Parma will leave from the Castle at around midnight.  
Drop-off points: TOSCHI BUS STOP and VERDI HOTEL.

### REGISTRATION DESK

|                                |               |
|--------------------------------|---------------|
| Opening hours                  |               |
| Thursday 20 <sup>th</sup> June | 13.00 - 19.30 |
| Friday 21 <sup>st</sup> June   | 8.00 - 18.00  |
| Saturday 22 <sup>nd</sup> June | 8.00 - 13.00  |



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