

2019年世界雷射醫學大會

WORLD LASER MEDICINE CONGRESS 2019



Laser Medicine & Healthcare

June 28-30, 2019

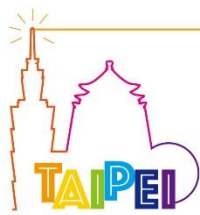
VENUE: TAIPEI (TICC)

企劃書



2019 世界雷射醫學大會

2019 THE WORLD LASER MEDICINE CONGRESS



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June 28-30, 2019

Taipei International Convention Center, Taiwan

企劃書

會議時間：中華民國一〇八年六月二十八至三十日

會議地點：外貿協會台北國際會議中心（TICC）

中華民國一〇八年二月二十六日

目錄

壹、	會議名稱.....	4
貳、	主辦單位.....	4
參、	共同主辦單位.....	4
肆、	承辦單位.....	4
伍、	指導單位.....	4
陸、	活動類型.....	4
柒、	會展時間.....	4
捌、	會展地點.....	4
玖、	緣起.....	5
壹拾、	舉辦目的.....	6
壹拾壹、	大會議程(Program Glance).....	8
壹拾貳、	大會主題 (Major Topics)	15
壹拾參、	邀請講員.....	16
壹拾肆、	講員介紹.....	17
壹拾伍、	學術內容.....	51
壹拾陸、	展望.....	52
壹拾柒、	預期效益.....	52
壹拾捌、	會議展覽項目及規模.....	53

壹、 會議名稱

中文：2019 年世界雷射醫學大會

英文：2019 The World Laser Medicine Congress

(大會官網網址：<http://www.wlmc2019.com>)

貳、 主辦單位

世界雷射醫學會聯盟(WFSLMS)

國際雷射醫學會(ISLSM)

國際光療學會(IPTA)

參、 共同主辦單位

國際光療法協會、國際雷射醫學外科學院、

台灣世界臨床雷射醫學會(APLI)、財團法人雷射醫學文教基金會

肆、 承辦單位

台灣雷射光電暨內鏡微創協會

伍、 指導單位

衛生福利部、臺北醫學大學暨附設醫院

陸、 活動類型

☒學術研討會 ☒展覽 ☐講座 ☒研習營

柒、 會展時間

中華民國 108 年 6 月 28 日(五)至 6 月 30 日(日)，共三天

捌、 會展地點

☒研習營：臺北醫學大學（地址：台北市信義區吳興街 250 號）

☒學術研討會暨展覽：台北國際會議中心 (TICC)

(地址：台北市信義路五段 1 號)

玖、緣起

2019 世界雷射醫學大會(World Laser Medicine Congress 2019)是由台灣雷射光電暨內鏡微創協會結合國內外各相關醫學會共同舉辦。會中，將邀請國際知名相關雷射醫療之不同領域的專家學者，是一場高水準的世界級大會。在為期三天的相關活動，將以專題演講、主題演講、展覽等方式進行。會中，除邀請國內外專家學者外，更邀請國內醫業相關科別先進共同參與，發表各科成果與未來展望，預計吸引國內外醫界超過 800 人次與會，再次創造企業合作媒合機會。

台灣雷射光電暨內鏡微創協會 (Taiwan Laser Photonics and Minimally Invasive Surgery Association (T.L.P.M.S.A))，本次結合國際各大醫學會，包括台北醫學大學(Taipei Medical University (TMU))、世界雷射醫學和外科學會聯合會(World Federation of Societies for Laser Medical and Surgery (WFSLMS))、國際雷射外科和醫學學會(International Society of Laser Surgery and Medicine (ISLSM))及國際光療法協會(International Phototherapy Association (IPTA))、國際雷射醫學外科學院(The International Academy for Laser Medicine and Surgery (IALMS))、台灣世界臨床雷射醫學會(Asia Pacific Laser Institute (APLI))及財團法人雷射醫學文教基金會(Laser Medicine Education and Research Foundation, Taiwan)共同舉辦。本次會議委員會更是台灣與世界一流菁英共同籌組與規畫，將載會議期間安排創新的議題與活動，相信在臺北舉辦的這場展覽與會議，將是雷射醫界的成果交流與分享經驗最佳的機會，更是一場精采的年度盛事。

本次大會舉辦的目的是建立一個資訊交流平臺，促進雷射光電在相關國際醫學界的交流，增進各界會員與國際相關學術團體接軌之國際性會議活動。以台灣光學治療技術在雷射應用發展的成就與貢獻，藉由本次會議及展覽，邀請國內外產官學研共聚一堂，共同推動包含皮膚科及整形外科外(Dermatology & Plastic Surgery)、美容醫學(Cosmetic surgery)、眼科(Ophthalmology)、泌尿科(Urology)、牙科(Dentistry)、婦產科(Gynecology)、耳鼻喉科(Otolaryngology)、神經外科(Neurosurgery)、骨科(Orthopedics)、護理(Nursing)及生醫光電(Basic Science)，將近年運用雷射技術領域最熱門的醫療及美容方面的專家齊聚一堂，共享經驗與成果。

壹拾、舉辦目的

本次大會由臺北醫學大學與台灣雷射光電暨內鏡微創協會共同主辦，以 World Laser Medicine Congress 2019 - ‘Laser Medicine & Healthcare’ 為主題，邀請國際知名相關雷射醫療之不同領域的專家學者，是一場高水準的世界級大會。在為期三天的相關活動，將以專題演講、主題演講、展覽等方式進行。

除邀請國內外專家學者外，更邀請國內醫業相關科別先進共同參與，發表各科成果與未來展望，預計吸引國內外醫界超過 800 人次與會，再次創造企業合作與媒合機會。國際會議期間提供國內外相關基礎研究與臨床應用專家溝通平台，將提昇國內雷射醫療之相關學術研究水準暨促進我國雷射醫療科技發展。藉由籌辦國際會議的方式，積極拓展台灣雷射治療對國際學術界的影響力；透過國際會議的平台建立將有助益於國際交流，讓更多的國際研究人士認識我國在雷射醫療的學術及臨床的實力，將令各國刮目相看，再次提升我國國際地位。

✧ 雷射會展舉辦國家

舉辦國家列表如下（資料取自各個網站）：

Function	Date	City	Website
Laser World of PHOTONICS	June 24-27, 2019	Munich	https://www.photonics-congress.com/about/general-information/index.html
16 th APALMS 2018 ICNCT	October 19-20, 2018	Bangkok, Thailand	http://www.apalms2018.org/content.php?slug=home
16 th World Congress in Laser Dentistry AACHEN 2018	October 1-3, 2018	Germany	https://www.wfld-achen2018.com/
21 st The International Society for Laser Surgery and Medicine (ISLSM)	August 20-22, 2015	India	http://islsminfo.com/index.asp

壹拾壹、 大會議程(Program Glance)

Friday, June 28, 2019	
Taipei Medical University Auditorium Building	
08:30-17:00	Registration
14:00-17:00	Pre-Congress Laser Training
18:30-21:00	Welcome Party at The Howard Plaza Hotel Taipei

Saturday, June 29, 2019		
Taipei International Convention Center (TICC) Room 101		
08:20-09:00	Registration	Technical Exhibition
09:00-10:00	Opening Ceremony	
10:00-10:30	Coffee Break	
10:30-12:30	Keynote Speech	
12:30-13:30	Luncheon	

Room	101 A	101 B	101 C	101 D	
13:30-15:00	<p>Dermatology & Plastic Surgery</p> <p>Khalil A. Khatri Pico laser for cutaneous pigmentation</p> <p>Chao Yi Lai VASER lipoplasty and sculpture</p> <p>Po-Han Huang Combined Non-surgical Facial Aesthetic Procedures</p>	<p>General Laser Application</p>	<p>Dentistry</p> <p>Georgi Tomov (Bulgaria)</p>	<p>Otolaryngology</p> <p>李佳融, 王榮德, 徐正明 Panel discussion, benign functional disorder</p>	
15:00-15:30	Coffee Break				

15:30-17:00	Dermatology & Plastic Surgery Chang-Cheng Chang Laser for aesthetic medicine and research Ya-Wei Lai Female genital rejuvenation ---from laser to surgery Khalil A. Khatri My Patients My Teachers	General Laser Application	Dentistry 盧宏杰 (Taiwan) 李倩 (China) 陳忠明 (Taiwan)	Otolaryngology 方谷豪, 侯勝博, 朱永祥, Hirohito Umeno, Phil Sang Chung Round table, malignancy	
	17:00-18:00 International Executive Committee Meeting				
	18:30-21:00 Gala Dinner at TICC 3F				

Sunday, June 30, 2019					
Taipei International Convention Center (TICC)					
Room	101A	101B	101C	101D	
08:20-09:00	Registration				
09:00-10:30	Ophthalmology (International) Dr. John Chang (HK) Dr. Tamer O Gamaly (UAE)	Aesthetic (International) 賴釗毅 Laser Law 林才民 Three Strategies for Circumventing the Potential Severe Complications After Fat Grafting and Filler Injection 何文藻 Dealing with the Complications of Various Osmidrosis Treatment 呂京陵 隆乳併發症 黃昱蒼	Dentistry Ben Ong (Australia)	Urology 陳榮峰 Taiwan Laser rejuvenation of male and female genital area 余明瑩 Taiwan 陰道雷射合併其他填充物的臨床使 用 Prof. Jun Lee (China) 兒童腎結石的 PCNL 聯合鈦激光治療 林承家 Taiwan Laser setting in urological stone disintegration	Technical Exhibition

		Side Effect and Notice of Vaginal Rejuvenation Treatment 吳武璋 Complications of Liposuction: Cause, Prevention and Solution		
10:30-11:00	Coffee Break			
11:00-12:30	Ophthalmology (International) Dr. Kohei Ichikawa (JP) Cze Hong Low (SG) Dr. Choun-ki Joo (KR) Dr. Graham Barrett (AU)	Aesthetic (International) 邱昱勳 Diagnosis and Management of Complications in Rhinoplasty 陳建璋 眼整形併發症 TBA 唇整形併發症	Dentistry Carlo Fornaini (Italy) Gu Ying (China) Leonardo Longo (Italy)	Urology 李建興 needle-perc 創新思路與臨床應用 周博敏 Comparison of percutaneous nephrolithotomy and retrograde intrarenal surgery CGMH-LinKo (Taiwan) Prof Ke-Hung Tsui Discussion and Closing
12:30-13:30	Luncheon Symposium 101A	Luncheon Symposium 101B	Fabrice Badout (France) 101C	Luncheon Symposium 101B

13:30-15:00	Ophthalmology (Cross-Strait) Dr. Xiao-bo Xia (CN) 夏曉波 教授 Dr. Yi-zhi Liu (CN) 劉奕志 教授 Dr. Jian Yeh (CN) 葉劍 教授 Dr. Hong-sheng Bi (CN) 畢宏生 教授	Aesthetic (Cross-Strait) 曾世鳴 IPL, A good Comanion for Dermatologist and How to Deal with Complication 許哲豪 Complications with Laser Hair Removal and How to Prevent and Manage 王修含 Is Picosecond Laser Superior to Nanosecond Laser? Truth or Propaganda? 楊慶昇 電波與音波併發症	Dentistry 黃萬騰 (Taiwan) 簡天正 (Taiwan) 潘裕民 (Taiwan) 施皇仰 (Taiwan) 楊振樺 (Taiwan)	LLLT/Nursing 葉晨聖 周桂如 李翔傑	
15:00-15:30	Coffee Break				
15:30-17:00	Ophthalmology (Cross-Strait) Dr. Ren-yuan Chu (CN) The CV of Laser Refractive Surgery Development in Shanghai	Aesthetic (Cross-Strait) 陳信愷 注射物併發症 張光正 拉皮併發症	Dentistry 游麗玲 (Taiwan) 鄭義 (China) 徐可卿 (China)	LLLT/Nursing 梁廷繼	

	<p>Dr. Ying Li (CN) (TBA)</p> <p>Dr. Yue-hua Zhou (CN) SMILE Lenticule Inlays for Hyperopia: Three Years Follow Up</p> <p>Dr. Ji Bai (CN) Key Points of Improving the Effect of SMILE</p> <p>Dr. Xing-tao Zhou (CN)</p> <p>Dr. Feng-ju Zhang (CN)</p>	<p>梁仲斌 線拉併發症</p> <p>彭于賓 Prevention and Complication Treatment Strategy of Hyaluronic Acid Injection</p>	<p>黃百弘 (China) 汪明坤 (China)</p>		
17:00-17:30	Closing Ceremony at Room 101 B				

壹拾貳、 大會主題 (Major Topics)

主題：

World Laser Medicine Congress 2019 “Laser Medicine & Healthcare”

分組：

- ✓ 皮膚科 (Dermatology)
- ✓ 整形外科 (Plastic Surgery)
- ✓ 美容醫學 (Cosmetic surgery)
- ✓ 眼科 (Ophthalmology)
- ✓ 泌尿科 (Urology)
- ✓ 牙科 (Dentistry)
- ✓ 婦產科 (Gynecology)
- ✓ 耳鼻喉科 (Otolaryngology)
- ✓ 神經外科 (Neurosurgery)
- ✓ 骨科 (Orthopedics)
- ✓ 護理 (Nursing)
- ✓ 生醫光電 (Basic Science)

壹拾參、 邀請講員

	邀請講員	國別
1.	Abraham M. Baruchin	Israel
2.	Apirag Chuangsuwanich	Thailand
3.	Aurelija Vaitkuvienė	Lithuania
4.	Krishna Rau Bhimanakunte	India
5.	Carlo Fornaini	Italy
6.	Juozas Vidmantis Vaitkus	Lithuania
7.	Leonardo Longo	Italy
8.	Narong Nimsakul	Thailand
9.	Penny J. Smalley	USA
10.	Shaoshan Hu	China
11.	Toshio Ohshiro	Japan
12.	Victor Yang	Canada
13.	Masayoshi Okada	Japan
14.	Michael Stark	Israel
15.	Khalil Khatri	USA
16.	Pinheiro Antonio	Brazil
17.	Gu Ying	China
18.	Krishna Rau	India
19.	Sharon Krishna	India
20.	Yoshimi Asagai	Japan
21.	Kazuhiko Atsumi	Japan
22.	Jin Wang Kim	Korea
23.	Seong Jun Seo	Korea
24.	Seung Ha Park	Korea
25.	Tai Suk Roh	Korea
26.	Phil Sang Chung	Korea
27.	Aurelija Vaitkuvienė	Lithuania
28.	Pichansak Bunmas	Thailand
29.	Clark Chen	USA

壹拾肆、 講員介紹

1. Keynote : Abraham M. Baruchin



Profile:

- **Name:** ABE (ABRAHAM) BARUCHIN
- **Nationality:** Israel
- **Sex:** Male
- **Birth of date:** 1944.02.02.
- **Affiliation:** University of BE-GURION, BEER SHEBA, ISRAEL
- **TEL:** 972-54-775 94 27
- **FAX:** 972-867-39541

Academic Record:

- M.D., University of Siena, Italy. 1965-1972

Specialty:

- Laser Surgery Cosmetic Surgery Since: 1981

Professional Societies:

- Laser Surgery Cosmetic Surgery Since: 1981
- Institution: Assuta Academic Medical Centers/ BGU University Beer – Sheba, Israel
- Position:
 1. Professor, Chief of Laser Surgery Unit
 2. Professor at BGU University,
 3. Board Examiner Israeli Board of Plastic Surgery

Award:

- Hebrew University of Jerusalem

Selected Recent Publications:

1. Pediatric sialolithiasis. Oded Nahlieli, Eli Eliav, Oscar Hasson, Ami Zagury, **Abraham M Baruchin**. Article in Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, and Endodontology 2001 January 90(6):709-12
2. Long-Term Experience With Endoscopic Diagnosis and Treatment of Salivary Gland Inflammatory Diseases. Oded Nahlieli, **Abraham M. Baruchin**. Article

in The Laryngoscope 2000 July 110(6):988-93

3. Diagnosis and treatment of cervical tuberculous lymphadenitis. Zeev Weiler, **Abraham M. Baruchin**, Poliakov Nelly, Shmuel Oren. Article in Journal of Oral and Maxillofacial Surgery 200 June 58(5):477-81
4. Endoscopic technique for the diagnosis and treatment of obstructive salivary gland diseases. Oded Nahlieli, **Abraham M Baruchin**. 1999 December Article in Journal of Oral and Maxillofacial Surgery 57(12):1394-1401

2. Keynote: Apirag Chuangsuwanich



Profile:

- **Name:** Apirag Chuangsuwanich
- **Nationality:** Thailand
- **Sex:** Male
- **Birth of date:** 1944.01.13
- **Affiliation:**
Division of Plastic Surgery, Department of Surgery, Siriraj Hospital Faculty of Medicine

Specialty:

- Plastic Surgery

Professional Societies:

- Chief of division of Plastic Surgery, Department of Surgery Faculty of Medicine Siriraj Hospital Mahidol University
- 2010 to present Clinical Professor in Plastic Surgery
- 2009 to present Chief of Division of Plastic Surgery, Faculty of Medicine Siriraj Hospital
- President of Burn and Wound healing Association (Thailand) 2016- present
- Past President of The Society of Aesthetic Plastic Surgeons of Thailand 2012-2014
- Past President of The Society of Plastic and Reconstructive Surgeons of Thailand 2009-2013
- Past President of The Society of Micro-vascular Surgeons of Thailand
- 1999-2010 Associate Professor in Plastic Surgery,
- 1992-1998 Assistant Professor in Plastic Surgery, Siriraj Hospital, Medical School
- 1991-1992 Fellow in Plastic Surgery, at Presbyterian Hospital, University of Pittsburgh, U.S.A.
- 1987-1991 Instructor in plastic surgery, Siriraj hospital, Medical School
- 1986-1987 Resident in plastic surgery Siriraj Hospital Medical School.

- 1985-1986 General surgeon in Royal Irrigation General Hospital.
- 1982-1984 Resident in general surgery Siriraj Hospital, Medical School.
- 1978-1981 General surgeon in Royal Irrigation General Hospital.

Selected Recent Publications:

1. **Chuangsuwanich A**, Muangsombut S. Frontalis muscle transfer for the treatment of upper eyelid ptosis. Siriraj hosp Gaz 1999; 51: 70
2. **Chuangsuwanich A**, Aojanepong C, Muangsombut S, Tongpiew P. Epidemiology of cleft lip and palate in Thailand. Ann of Plastic Surgery 1998; 41:7-10.
3. **Chuangsuwanich A**, Muangsombut S, Sujatanond M. A new modified technique for medial canthopexy. Siriraj Hosp Gaz 1995; 47: 19-23.
4. Aojanepong C, **Chuangsu wanich A**, Muangsombut S, Tisavipat N, Vangveeravong S. Skull base Surgery : Access to anterior and middle cranial fossa. Siriraj Hosp Gaz 1998; 80:282-8.
5. **Chuangsuwanich A**. Lipofilling. Abstract book of the 6th International Congress of Aesthetic Plastic Surgery. 6-9 December 1998 session 8.3
6. **Chuangsuwanich A**. Miniblepharoplasty. Abstract book the of 6th International Congress of Aesthetic Plastic Surgery 6-9 December 1998 session 13.6
7. **Chuangsuwanich A**, Survival of fat Graft. Siriraj Hosp Gaz. October 1995; 47 (suppl): r 91-95

3. Keynote: Aurelija Vaitkuviene



Profile:

- **Name:** Aurelija Vaitkuviene
- **Nationality:** Lithuania
- **Sex:** Female
- **Birth of date:** 1948.09.18
- **Affiliation:** Vilnius University

Academic Record:

- Diploma of High Education, Vilnius University, Lithuania, 1973.
- Doctor of Philosophy, Vilnius University, Lithuania, 1984.

Specialty:

- Laser gynaecology and urology

Professional Societies:

- since 2015 – Affiliated Researcher at Institute of Photonics and Nanotechnology (VU)
- 2004-2015 – Senior Researcher (Head of Laser Surgery, later, Head of Optical Diagnostics Division,
- 1994-2004 – Associated Prof. Obstetrics&Gynecology Clinics at VU
- 1972 graduated Vilnius University (VU); 1984 – PhD

Awards:

Sonoscopy (1978, 1998), Laser surgery (1989), Hysteroscopy (1992), Laparoscopy (1995), Laser diagnostics (1996), Oncology (1996).

Memberships:

- Founding member of International Academy of Laser Medicine and Surgery in Florence;
- President of International Phototherapy Association (2011-2015),
- President of International Society of Laser Surgery and Medicine (2013-2015),
- Member of EBIOS, EUROGIN, ECCA.
- President of Lithuanian Union Soroptimist International (1998-2000)

Selected Recent Publications:

1. The ROC-based analysis of spectroscopic signals from medical specimens. **Aurelija Vaitkuviene**, Ruta Kurtinaitiene, Vilmantas Gegzna. 2018 August
2. Optical spectroscopic methods for diagnostics of intervertebral disc degeneration. Juozas Vaitkus, Darius Varanius, I. Čiplys, Vilmantas Gegzna, Gunaras Terbetas, Jurgita Usinskiene, **Aurelija Vaitkuviene**. Article (PDF Available) in Lithuanian Journal of Physics 2018 July 58(2)
3. The ROC-based analysis of spectroscopic signals from medical specimens. Vilmantas Gegzna, Olga Kurasova, Gintautas Dzemyda, Ruta Kurtinaitiene, Ignas Čiplys, Juozas Vaitkus, **Aurelija Vaitkuviene**. Article in Nonlinear Analysis: Modelling and Control 2018 June 23(3):285-302
4. Methods for autofluorescence analysis of uterine cavity washings. Vilmantas Gegzna, Povilas Sladkevicius, L. Valentin, **Aurelija Vaitkuviene**. Article (PDF Available) in Lithuanian Journal of Physics 2015 April 55(1)
5. WORLD LASEROLOGY CONGRESS. **Aurelija Vaitkuviene**, Juozas Vaitkus. Article (PDF Available) in Laser Therapy 2013 January 22(4):290-292

4. Keynote:

Krishna Rau Bhimanakunte



Profile:

- **Name:** Krishna Rau Bhimanakunte
- **Nationality:** India
- **Sex:** Male
- **Birth of date:** 1939.10.15
- **Affiliation:** Billroth Hospital, Chennai, India

Academic Record:

- M.B.B.S Madras University (First Rank) M.S.
- Madras University F.R.C.S. (England) F.R.C.S. (Edinburgh) F.I.A.M.S. (Fellow of the Indian Academy of Medical Sciences) F.A.C.G. (USA) F.I.C.S. (USA)

Specialty:

- General Surgeon, Laparoscopic Surgeon

Professional Societies:

- Past President of ISLSM & WFSLSM
- FRCS Thailand [Hon}
- Hon. Fellow American Surgical Society
- Dr. B C Roy Award by President of India
- Past President of Association of Surgeons of India, Indian Association of Gastrointestinal Endo surgeons, India
- Society of Gastroenterology, Recipient of Life time achievement award from various societies

Rewards:

- Johnston Gold Medal for the best outgoing student in M.B.B.S. from Madras Medical College
- Dr. Masilamani Medal
- Chipperfield's Gold Medal for proficiency in Surgery
- Dr. Nair's Gold Medal

- Dr. Rangachari Gold Medal
- Dr. A. Srinivasan's Gold Medal
- Hon. RamaBadra Naidu's Gold Medal for proficiency in Medicine
- Allan Even's Grant Prize
- Won the Dr. B.C. Roy National Award for the year 1997 recognizing the best talents in encouraging the development of specialties in different branches in Medicine.

Memberships:

- Tamilnadu Medical Council

5. Keynote: Carlo Fornaini



Profile:

- **Name:** Carlo Fornaini
- **Nationality:** Italy
- **Sex:** Male
- **Birth of date:** 1954.12.28
- **Affiliation:** UNIVERSITY OF PARMA (I) UNIVERSITY OF NICE (F)

Academic Record:

- Degree in Medicine and Surgery
- DU (Diplome Universitaire) in Oral Laser Application
- European Master Degree Oral Laser Applications
- PhD in “Information Engineering”

Specialty:

- Interceptive Orthodontics, TMJ diseases, Laser Dentistry

Professional Societies:

- Researcher of the Group of Applied Electromagnetics, Department of Engineering and Architecture, University of Parma
- Teacher DIU (Diplome inter-Universitaire) “Laser Applications”, Universities of Nice and Bordeaux
- Visiting Professor University of Vilnius (Lituania)
- Visiting Professor Universidad Nacional de la Plata (Argentina)
- Visiting Professor Universidad de La Habana (Cuba)
- Visiting Professor University Hospital Shijiazhuang (China)
- President INTERNATIONAL LASER DENTISTRY MASTER ACADEMY
- Past President IPTA (International Photo Therapy Association)
- Secretary CENALOS (France)
- Treasurer IALMS (International Academy of Laser in Medicine and Surgery)
- Contributor volume “Les Lasers en Odontologie” of JP Rocca edit. CdP, Paris
- Contributor volume “Osteonecrosi dei mascellari e bifosfonati” di P. Vescovi edit. Tecniche nuove Milano (2008)
- Contributor volume “Chirurgia Odontostomatologica” Edizioni Minerva

Medica(2015)

- Co-Author volume “Laser Welding” edit. Sciyo Int (2010)
- Author Volume “Oral Laserology” Ediz. EdLearning-Editografica, Bologna (2015)

Memberships:

Member of the Board of the journals:

- Laser Therapy (Japan)
- Open Journal of Stomatology (USA)
- Journal of Oral Health and Research (India)
- Journal of Laser and Health (Slovenia)
- Journal of Oral Science & Rehabilitation (Germany)
- Scientific Advisor of the Journal “Ortho” (Germania)
- Author of more than 200 papers (78 indexed in Pubmed)

6. Keynote:

Juozas Vidmantis Vaitkus



Profile:

- **Name:** Juozas Vidmantis Vaitkus
- **Nationality:** Lithuania
- **Sex:** Male
- **Birth of date:** 1941.03.19
- **Affiliation:** UNIVERSITY OF PARMA (I) UNIVERSITY OF NICE (F)

Academic Record:

- Graduated Vilnius University, (1965 trained in Nobel Prize winner N.G.Basov's laboratory at FIAN), PhD 1967, Dr.Sc. 1978

Specialty:

Investigation of optical and electrical properties of different materials, mostly semiconductors, design detectors, including imaging, for different spectral region of radiation, including ionizing.

Since 1965 apply different lasers for materials investigation, design new methods for its different properties measurement and device fabrication process control.

Since 1977 his team assisted the medical teams in application of lasers in surgery. In addition to investigation of material radiation hardness in CERN related projects, since 2000 joined a team of principal investigator of biomedical projects

Dr. A Vaitkuvienė to investigate the optical properties of different medical samples and to design the methods for the tissue pathology diagnostics. The FTIR absorption, Raman spectroscopy, the reflectance and fluorescence, excited by different lasers and LEDs, spectroscopy means were used.

Professional Societies:

- Professor at Vilnius University since 1980.
- Served as Head of Semiconductor Physics Department,
- Pro-Rector for Research at Vilnius University,
- Director of Institute of Materials Science & Applied Research,
- Chair of Experimental Nuclear and Particle Physics Centre,
- Since 2013 Chief researcher at Institute of Photonics and Nanotechnology.

Rewards:

- Member of Lithuanian Academy of Sciences (since 1991 Chairman of Physics Section),
- Fellow of the Institute of Physics (UK),
- A few National Awards for Scientific Achieve in Physics and microelectronics, 1988 - USSR State Award for Novel Engineering,
- Honorary visiting professor at Glasgow University, 1996-2006.
- Since 2007 deputy chair of CERN RD50 collaboration board.
- President of Lithuanian Physical Society.

Selected Recent Publications:

1. The diffraction of light by transient gratings in crystalline, ion implanted and amorphous silicon (Invited paper). IEEE J. Quant Electr. J.Vaitkus, K.Jarasiunas, E.Gaubas, L.Jonikas, R.Pranaitis, L.Subacius. 1986, v.22, p.12981305
2. Mapping of GaAs and Si wafers and ionimplanted layers by light induced scattering and absorption of IR light. Semicond. Sc.Technol. J.Vaitkus, E.Gaubas, K.Jarasiunas, M.Petrauskas.1992, v.7, p.131134.
3. Analysis of angleresolved photoemission date of PbS (100) surfaces within the direct transition model. Phys.Rev.B. R.Büttner, S.Ratz, N.Schroeder, S.Marquardt, U.Gerhardt, R.Gaska, J.Vaitkus. 1996, v.53, No.15, p.1033610343.
4. Interaction of deep levels and potential fluctuations in scattering and recombination phenomena in semiinsulating GaAs. J.Appl.Phys. V.Kazukauskas, J.Storasta, J.Vaitkus. 1996, v.80, No.4, p.22692278.
5. Investigation of recombination parameters in silicon structures by infrared and microwave transient absorption techniques. Semicond. Sci. Technol. E.Gaubas, A.Kaniava, J.Vaitkus. 1997, v.12, No.1, p.110.

7. Keynote:

Leonardo Longo



Profile:

- **Name:** Leonardo Longo
- **Nationality** Italy
- **Sex:** Male
- **Birth of date:**1955.11.07
- **Affiliation:** International Academy Laser Medicine and Surgery

Academic Record:

- M.D.19651972 University of Siena, Italy.

Specialty:

- Laser Medicine

Professional Societies:

Leonardo Longo, MD, is endocrinologist, Head of the Institute for Laser Medicine of Florence - ILM, Professor of Laser Medicine and Surgery of Siena University (1995-2011) and Republic of San Marino University, Founding President of the International Academy for Laser Medicine and Surgery - IALMS, Fellow of 24 Scientific Societies, founding and honor member of 5 Scientific Societies President of the International Society of Laser Surgery and Medicine - ISLSM, from 2005 until 2009 and 2017-2019

President of the International Phototherapy Association – IPTA, for the years 2009-2011, of the World Federation of Societies for Laser Medicine and Surgery -WFSLMS (2013-2017).

He is Visiting Researcher Professor of University of Bethesda and Vanderbilt, USA; Czeske Budejovice, Kladno and Prague, Czech Rep; Vilnius, Lithuania, Warsaw, Poland; Uninove Sao Paulo, Brazil. He is coordinator of the International Master in Laserology, I.Me.La.S., sponsored by the WFSLMS and IALMS.

Dr. Longo studies and uses the biological and surgical effects of laser and intense light on human tissue, especially on the skin, vein, nerve, muscle, tendon, connective tissue, stem cells and keloids, for wound healing and scars remodeling, diabetes and metabolic diseases, brain and spinal cord injuries, for cutting and coagulation and photodialysis in patients with chronic immunological diseases.

Dr. Longo collected until 2018 more than 130 meeting titles and scientific publications, more than 20 treatises, 330 meeting papers, is Editor of Laser Florence Proceedings, SPIE Publisher since 1999 until 2004 and 2017, American Institute of Physics Publisher from 2007 until 2011, then Medimind Publisher;

He is board member of 6 peer international journals, Laser in Medical Science (Associate Editor), Springer London Publisher, Laser Therapy (Tokyo), Photomedicine and Laser Surgery, M. Ann Liebert Publ, USA Journal of Applied Biomedicine (Czech Rep), Leadership Medica (Cesil Publ, Milano, Italy), Acta Medica (Prague, Czech Rep), Dermatologic Therapy, Blackwell Publishing, Academy of Aesthetic and Anti-Aging Medicine, Polish Medical Society Publ, Warsaw.

He is President of Laser Florence Annual Congress and Courses since 1997 until today. Further news are available on the Detailed Curriculum vitae, published on the website www.longolaser.it

Selected Recent Publications:

1. Genetic Tolerance to Rose Bengal Photodynamic Therapy and Antifungal Clinical Application for Onychomycosis. Jessica Houang, Christian Pedrinazzi, Damia Mawad, Andrew J. Ruys, Gabriel G. Perrone, **Leonardo Longo**, Philip Boughton, Antonio Lauto. September 2018.9.23
2. Effects of laser therapy and Grimaldi's muscle shortening manoeuvre on motor control of subjects with incomplete spinal cord injuries. Diego Longo, Paolo Lippi, **Leonardo Longo**, Vanessa Mangé. (Article in Laser Therapy) 2017September 26(3):203209
3. Nonsurgical Laser Treatment (NSLT) of Central and Peripheral Nervous System Injuries. **Leonardo Longo**. (Article (PDF Available) in Photomedicine and Laser Surgery) 2017 February 35(4).

8. Keynote:

Narong Nimsakul



Profile:

- **Name:** Narong Nimsakul
- **Nationality:** Thailand
- **Sex:** Male
- **Birth of date:** 1942.04.14
- **Affiliation:**
Cosmetic Laser Surgry Conter, Rangsit Univ., Bangkok, Thailand.

Academic Record:

- Graduated M.D., Chiba Univ Japan. 1968.

Specialty:

- Plastic Surgery

Professional Societies:

- Director, Cosmetic Laser Surgery, Rangsit Univ., Bangkok, Thailand.
- Professor, Integrative Medicine, Yoga Samskrutham Univ., Florida, U.S.A.
- Honorary President, ISLSM since 2003.
- Laser Surgery training, Tel Aviv Univ., Israel (under Prof. Isaac Kaplan)
- President, Thailand Society for laser Surgery & Medicine 1985-1996
- President, International Society for Laser Surgery & Medicine (ISLSM) 1991-1993
- Trained in Plastic Surgery, Yokohama City Univ., Japan 1974

Rewards:

- Achievement in Promotion of Laser Medicine in Japan, and Promotion of Cultural exchange and International Relation between Japan and Thailand, during the 100th Anniversary of the Thailand – Japan Diplomatic Relation. September 26, 1988 (from Japanese Government)

- Achievement in Promotion of International Relation and Good Understanding between Japan and Thailand, from Japan Good Deeds Association, November 30, 1989
- Letter of Appreciation from Ministry of Health, Vietnam, on October 23, 1998, in arranging for Vietnam to host the 7th Congress, Asian Pacific Association for Laser Medicine & Surgery, at Ho Chi Minh City, during October 2023, 1998.
- Certificate of Recognition and Medal from Ministry of Foreign Affairs, Israel, upon being the Chairman of Joint working Committee to Celebrate Israeli 50th Independence Anniversary during 1998

Memberships

- Advisor, Minister of Labor and Social Welfare, 1993-1995
- Advisor, Minister of Prime Minister Office, 1995 – 1996
- Advisor, Standing Committee on Foreign Affairs, Thai Parliament, during 2001~2006
- Secretary General, Old Japan Student Association, 1993 – 1995
- Deputy, Secretary General, Thai – Japan Association, 1994 – 1996
- Vice President, Thailand – Israel Friendship Foundation, since 1996
- Advisor, Foundation for Medical Research and Handicap person, Thailand
- Chairman, Smile – Thai Operation Project (for Cleft Lips), Since 2000.
- Vice Chairman, Foundation of Drug and AIDS Prevention of Asia. Since 1999

Selected Recent Publications:

1. A Study of LASER Scalpel Operational Performance. Satoru Yamada, Mitsuhiro Osada, Kozi Morooka, **Narong Nimsakul**, Ryuzaburo Tanino. Article in Nippon Laser Igakkaishi 1982 January 3(1):151-158.
2. Laser Acupuncture. Takefumi Okada, Yasuhiko Onoe, Yu Maruyama, Shuso Kotaki, Katsuro Takahashi, Seiji Itoh, **Narong Nimsakul**, Toshio Ohshiro. Article in Nippon Laser Igakkaishi 1980 January 1(1):47-50.
3. Comparative study of CO2 Laser scalpel with electro scalpel. R. Tanino, M. Miyasaka, M. Nishimura, H. Yamaguchi, I. Nakajima, T. Morita, D. Nimsakul, R. Santiago, **Narong Nimsakul**, A. Shohtsu, M. Osada. Article in Nippon Laser Igakkaishi 1980 January 1(1):51-57.

9. Keynote: Penny J. Smalley



Profile:

- **Name:** Penny J. Smalley
- **Nationality:** USA
- **Sex:** Female
- **Affiliation:**
Technology Concepts International Consultant (1986-present)

Academic Record:

- Evanston Hospital School of Nursing (1977-1980)
- University of Illinois, Undergraduate Studies Diploma - RN

Specialty:

- Nursing

Professional Societies:

Penny J. Smalley R.N., CMLSO, is a self-employed nurse consultant, and certified medical laser safety officer, working in the field of laser technology and perioperative safety, since 1980.

Ms. Smalley works with many international professional medical and nursing organizations to design and implement laser and perioperative safety programs, works with government and regulatory agencies on legislation regarding surgical plume and laser safety, and provides compliance assessments and education, to healthcare facilities, and private practices. She is a member of the board of directors, and serves as Secretary, for the non-profit organization, the International Council on Surgical Plume (ICSP).

- Representing Australian College of Perioperative Nurses
- International Society For Lasers In Surgery and Medicine (1983 – present)
- Certified: American Board of Laser Surgery (1987 – present)
- Secretary, Board of Directors Member ANSI Z136 (1987-present)

- Member, International Electrotechnical Commission, US Delegation for TC76, WG 4, WG 8 (1998-present)
- Member Australian Standards HE003, AS/NZ4173 (1990 – present)
- Member, Board of Directors, Australian Centre for Medical Laser Technology (1990 – present)
- Member, Committee on International Affairs, ASLMS (1999 – present)
- Asia Pacific Association for Laser Medicine and Surgery Executive Committee (2000 – present)
- Executive Committee representative for Nursing / Allied Health (2000 – present)
- Certified: Medical Laser Safety Officer (2004 – present)
- International Phototherapy Association, Executive Committee (2006 – present)
- Member, Executive Board, European Medical Laser Association (2007-present)
- Member Canadian Standards Association, Z386, Z305 (2008 – present)
- Member ISO TC121 (2010 – present)
- Vice Chair, SSC3 (Z136.3) (2013 – present)
- Commissioner, Board of Laser Safety (2014 - present)
- International Council on Surgical Plume (2015 – present)
- Vice chair, Z386 (Laser Safety) Recipient, 1906 Award, IEC (2015)
- Secretary, SSC3 (Z136.3) (2007-2012)
- Member, Safety Committee, ASLMS (chair, 1997-98, 2002) (1994-2010)
- Executive Committee, ANSI Z136 (Laser Safety in Healthcare) Chair, Nursing and Allied Health (1993-2002)
- International Scientific Advisory Board World Association of Laser Therapy (1993-2008)
- Representative for AORN to ANSI (1998 – 2007)
- Member AORN committee on Environment of Care – Hazards of Surgical Smoke task force (2007-2009)
- Board of Laser Safety Member - Board of Directors, Laser Institute of America (1992-1999)
- Chairperson, Nursing Section - ASLMS(1992-1994)
- Recipient, Excellence in Laser Nursing award, ASLMS (1993)

Rewards:

- Ms. Smalley is listed in Who's Who of American Women, and Who's Who in American Nursing, has authored numerous articles and text chapters, taught concepts in laser technology and operating room safety, throughout the world.

Memberships:

- Ms. Smalley is a member of the International Electrotechnical Commission

(IEC – TC76) for International laser standards, and the International Standards Organization (ISO – TC121), on plume evacuation.

- She is vice-chair of the American National Standards Z136 (Safe Use of Lasers in Healthcare), represents the Australian College of Operating Room Nurses (ACORN) on the Australian Laser Standards (HE003-4173).
- She is a member of the Canadian Standards Z305.13-13, (Plume Evacuation), and Chairs the Canadian Standards Z386 (Laser Safety in Healthcare).

Selected Recent Publications:

1. The Nd: YAG Laser for Endometrial Ablation - A Nursing Perspective Laser Nursing, Volume 2, Number 1 1988
2. Inservice - Key to Your Laser Program Today's OR Nurse, Volume 10, Number 6, June 1988
3. Review of the Optimized Disposable Fiber System Laser Nursing, Volume 2 Number 3, 1988
4. Lasers in Otolaryngology Nursing Clinics of North America, Vol.25, No. 3, Sept. 1990
5. Lasers in Nursing - The Second Decade Clinical Laser Monthly, January 1990
6. Laser '90 - An International Laser Nursing Event Laser Nursing, Volume 4, No. 2, Summer 1990
7. Laser Consulting - A New Dimension in Nursing Illinois Nursing Spectrum, Vol. 3, No. 17, August 1990
8. Clinical Laser Safety Issues - A Nursing Perspective Journal of Laser Applications, Vol. 3, No. 1, Winter, 1991
9. Laser Technology - A Nursing Perspective Dermatology Nursing, Vol.3, No.4, August 1991
10. Guest Perspective Laser Nursing, Volume 4, No.4, Winter 1991
11. Laser Education Criteria for Operating Room Nurses, Seminars in Perioperative Nursing, 1992, W. Saunders
12. Laser Nursing - A Perioperative Challenge Canadian Operating Room Nurses Journal, Vol. 10, No.1, 1992
13. Laser Safety Survey Canadian Operating Room Nurses Journal, Vol. 10, No.1, 1992
14. The Future is Here Laser Technology in Medicine - Asian Hospital Magazine, Hong Kong, Sept./Oct. 1992
15. Clinical Laser Safety Textbook chapter, Cutaneous Laser Surgery, Mosby, 1993 2nd Edition, 1996, Revised edition , 1998

10. Keynote: Shaoshan Hu



Profile:

- **Name:** Shaoshan Hu
- **Nationality:** China
- **Sex:** Male
- **Affiliation:**
 1. Vice-director of Department of Neurosurgery
 2. Director of the 5th ward of Department of Neurosurgery,
 3. The Second Affiliated Hospital of Harbin Medical University

Academic Record:

- Harbin Medical University Clinical Medicine, 1989.9-1995.7, Bachelor
- Harbin Medical University Neurosurgery, 1995.9-1998.7, Master
- Harbin Medical University Neurosurgery, 1998.9-2001.7, Doctor

Specialty:

- Good at combined therapy of glioma and laser technology; surgical treatment of skull base and spinal cord tumors, traumatic brain injury and stroke.

Professional Societies:

Work experience:

- Chairman of Laser Specialized Committee of Heilongjiang Medical Association
- Vice chairman of Brain Glioma Specialized Committee of Heilongjiang Provincial Association of Physicians
- Vice chairman of the Chinese Anticancer Association photodynamic therapy Specialized Committee
- Standing committee member of Chinese medical association of laser medical group
- Member of Chinese association of rehabilitation medicine
- Member of Chinese optical society of laser medicine group
- Member of Chinese association of Photodynamic Expert Committee
- Department of Neurosurgery, HMU Professor, Chief Physician
Academic employment (2008.9-Now)

11. Keynote : Toshio Ohshiro



Profile:

- **Name:** Toshio Ohshiro
- **Nationality:** Japan
- **Sex:** Male
- **Birth of date:** 1939.12.04
- **Affiliation:** Ohshiro Clinic

Academic Record:

- Department of Dermatology, Cincinnati University, studied under Prof. Leon Goldman 1974
- Department of Plastic and Reconstructive Surgery, School of medicine, Keio University 1965

Specialty:

- President of the First Meeting of the International Laser Therapy Association

Professional Societies:

- Toshio Ohshiro, M.D., Ph.D.
- Director of Ohshiro Clinic
- Director of Japan Medical Laser Laboratory
- Advisor to the Japan Society for Laser Surgery and Medicine (JLSM) (2011)
- Honorary chief director of Japanese Society for Laser Reproduction (2010)
- President of Laser Tokyo 2009, 18th Congress of the International Society for Laser Surgery and Medicine (ISLSM) (2009)
- Honorary Professor of Harbin Medical University, China (2007)
- Secretary General of the World Federation of Societies for Laser Medicine and Surgery (WFSLMS) (2005)
- Visiting Professor of Department of Plastic and Reconstructive Surgery, School of Medicine, Keio University (1996)
- Honorary President of the World Association for Laser Therapy (WALT)(1994)
- First President of the International Laser Therapy Association (ILTA) (1990)

- Founding Editor and Editor-in-Chief of LASER THERAPY (1988)

Selected Recent Publications:

1. Low Level Laser Therapy for Radial Nerve Palsy Patients: Our Experience. Chikara Oshima, Hitoshi Nakazawa, Hideaki Izukura, Midori Miyagi, Akito Mizutani, Takashi Harada, **Toshio Ohshiro**, Satoru Ebihara. (Article in Laser Therapy) 2018 March 27(1):5660
2. Retrospective Study on Laser Treatment of Oral Vascular Lesions Using the “Leopard Technique”: The Multiple Spot Irradiation Technique with a Single Pulsed Wave. Hidetaka Miyazaki, Takafumi Ohshiro, Umberto Romeo, Tadahide Noguchi, Yutaka Maruoka, Gianfranco Gaimari, Georgi Tomov, Yoshitaka Wada, Kae Tanaka, **Toshio Ohshiro**, Shinichi Asamura. (Article (PDF Available) in Photomedicine and laser surgery) 2018 May 36(6).
3. History of the World Federation of Societies for Laser Medicine and Surgery (WFSLMS) and its Non-Profit Organization (NPOWFSLMS): Part 1: Origins to Inaugural Meeting, 2005. **Toshio Ohshiro**. (Article in Laser Therapy) 2014 July 23(2):8995.
4. The production of VEGF involving MAP kinase activation by low level laser therapy in human granulosa cells. Yasushi Kawano, Yufuko UtsunomiyaKai, Kentaro Kai, Isao Miyakawa, **Toshio Ohshiro**, Hisashi Narahara. (Article in Laser Therapy) 2012 December 21(4):26974.

12. Keynote: Victor Yang



Profile:

- **Name:** Victor Yang
- **Nationality:** Canada
- **Sex:** Male
- **Birth of date:** 1974.01.12
- **Affiliation:** Sunnybrook Health Sciences Centre, University of Toronto

Academic Record:

- Faculty of Medicine, University of Toronto, 2006, MD
- Medical Biophysics/Ontario Cancer Institute, University of Toronto, 2004, PhD
- Electrical and Computer Engineering, University of Toronto, 1998, MSc
- Engineering Science (biomedical option), University of Toronto, 1997, BSc(H)

Specialty:

- Neurosurgery

Professional Societies:

- Associate Professor (status), Electrical & Computer Engineering, University of Toronto (2010-present)
- Associate Professor, Institute of Medical Sciences, University of Toronto (2015-present)
- Adjunct Professor, Mechanical Engineering, University of Waterloo (2014-present)
- Associate Professor, Division of Neurosurgery, Dept. Surgery, University of Toronto (2013-present)
- Senior Scientist, Brain Sciences & Physical Sciences, Sunnybrook Research Institute (2013-present)
- Professor, Electrical, Computer, and Biomedical Engineering, Ryerson University (2018-present)
- Adjunct Professor, Medical Physics, Ryerson University (2005-present)
- Associate Professor, Electrical & Computer Engineering, Ryerson University

(2018-present)

- Associate Professor, Electrical & Computer Engineering, Ryerson University (2010-2018)
- Assistant Professor, Electrical & Computer Engineering, Ryerson University (2007-2010)
- Scientist (status), Imaging Research, Sunnybrook Health Sciences Centre (2006-2010)
- Scientific Associate, Ontario Cancer Institute/Princess Margaret Hospital (2004-2007)

CLINICAL:

- Staff Neurosurgeon, Division of Neurosurgery, Sunnybrook Health Sciences Centre (2013-present)

Rewards:

- 2018 Congress of Neurosurgeons Innovator of the Year Award (2018)
- Refined Manufacturing Acceleration Process (ReMAP) Commercialization Prize (2018).
- George Armstrong Peters Prize, University of Toronto - Department of Surgery (2017).
- Frost & Sullivan New Product Innovation Award (2017).
- Spine Technology Award, Orthopedics this Week, for work in surgical navigation development (2017).
- Refined Manufacturing Acceleration Process (ReMAP) Global Impact Award (2017).
- Spine Technology Award, Orthopedics this Week, for work in surgical navigation development (2015).
- Canada Research Chair (Tier II) in Bioengineering and Bio photonics (2013-2018).
- Canada Research Chair (Tier II) in Bioengineering and Bio photonics (2008-2013).
- Nominated - Early Career Achievement Award, International Society for Optics and Photonics (2011).
- Early Researcher Award, Ministry of Research and Innovation (2009).
- Division of Neurosurgery, Allan Hudson Resident Teaching Award, University of Toronto (2009).
- Sopman Humanitarian Award, University Health Network (2007).
- Travel award, 11th World Congress of International Photodynamic Association,

Shanghai (2007).

- Gilda Tozman Neuroscience award, Faculty of Medicine, University of Toronto (2006).
 - Best Paper, 17th International Optical Fiber Sensing conference, Bruges, Belgium (2005).
 - Governor General of Canada's Gold Academic Medal for excellence in PhD research (2005).
 - Selected as member of Canadian delegation to the Young Scientists in Photonics Forum at Munich, Germany (2005).
 - 1st Prize, Best Clinical Science presentation at Eastern Medical Student Research Forum, Miami, FL (2004).
 - 1st Prize, Best Clinical Research (MD-PhD category), Medical Student Research Day, University of Toronto (2004).
 - Brown research award, Faculty of Medicine, University of Toronto (2004).
 - Best paper award and travel award for Joint International American and European Medical Laser Conference, Edinburgh, UK (2003).
- US Air Force travel award for Engineering Foundation Conference: Advances in optics for biology and medicine (2003)

Memberships:

- Ryerson University - full member Professor
- University of Toronto - full member - Associate Professor

Selected Recent Publications:

1. Outcome Evaluation of Acute Ischemic Stroke Patients Treated with Endovascular Thrombectomy: a Single Institution Experience in the Era of Randomized Controlled Trials. World Neurosurgery Sarzetto F, Gupta S, Alotaibi NM, Howard P, da Costa L, Heyn C, Maralani PJ, Guha D, Swartz R, Boyle K, **Yang VXD**. 2016 Dec 22. pii: S18788750(16)313663.
2. Spinal intraoperative three-dimensional navigation: correlation between clinical and absolute engineering accuracy. Guha D, Jakubovic R, Gupta S, Alotaibi NM, Cadotte D, da Costa LB, George R, Heyn C, Howard P, Kapadia A, Klostranec JM, Phan N, Tan G, Mainprize TG, Yee A, **Yang VXD**. Spine J. 2016 Oct 21. pii: S15299430(16)31035X.
3. Evaluation of flow velocities after carotid artery stenting through split spectrum Doppler optical coherence tomography and computational fluid dynamics modeling. Vuong B, Genis H, Wong R, Ramjist J, Jivraj J, Farooq H, Sun C, **Yang VXD**. Biomed Opt Express. 2014 Nov 26;5(12):440516.
4. In-vivo feasibility of endovascular Doppler optical coherence tomography.

- Sun C, Nolte F, Lee KKC, Cheng KHY, Vuong B, Standish BA, Courtney BK, Marotta TR, Mariampillai A, **Yang VXD**. Biomed Opt Express. 2012 Oct;3(10):2600–10.
5. Optimized speckle variance OCT imaging of microvasculature. Mariampillai A, Leung MK, Jarvi M, Standish BA, Lee K, Wilson BC, Vitkin A, **Yang VXD**. Opt Lett. 2010 Apr 15;35(8):12579.
 6. Doppler optical coherence tomography for interventional cardiovascular guidance: in vivo feasibility and forward viewing probe flow phantom demonstration. Munce NR, Wright GA, Mariampillai A, Standish BA, Leung MK, Tan L, Lee K, Courtney BK, Teitelbaum AA, Strauss BH, Vitkin IA, **Yang VXD**. J Biomed Opt 2010 JanFeb;15(1):011103.
 7. Wavelength swept spectral and pulse shaping utilizing hybrid Fourier domain mode locking by fiber optical parametric and erbium doped fiber amplifiers. Cheng KH, Standish BA, **Yang VXD**, Cheung KK, Gu X, Lam EY, Wong KK. Opt Express 2010 Feb 1;18(3):190915.
 8. Speckle variance detection of microvasculature using swept source optical coherence tomography. Mariampillai A, Standish BA, Moriyama EH, Khurana M, Munce NR, Leung MK, Jiang J, Cable A, Wilson BC, Vitkin IA, **Yang VXD**. Opt Lett 2008 Jul 1;33(13):15302.
 9. Speckle variance detection of microvasculature using swept source optical coherence tomography. Mariampillai A, Standish BA, Moriyama EH, Khurana M, Munce NR, Leung MKK, Jiang J, Cable A, Wilson BC, Vitkin IA, **Yang VXD**. Optics Lett 2008 Jul: 33:1530–32.
 10. High speed, wide velocity dynamic range Doppler optical coherence tomography (Part III): in vivo endoscopic imaging of blood flow in the rat and human gastrointestinal tracts. **Yang VXD**, Gordon ML, Tang S, Marcon NE, Gardiner G, Qi B, Bisland S, SengYue E, Lo S, Pekar J, Mok A, Wilson BC, Vitkin IA. Opt Express. 2003 Sep;11(19):2416–24.
 11. High speed, wide velocity dynamic range Doppler optical coherence tomography (Part II): Imaging in vivo cardiac dynamics of *Xenopus laevis*. **Yang VXD**, Gordon ML, Qi B, Pekar J, Lo S, SengYue E, Mok A, Wilson BC, and Vitkin IA. Opt Express. 2003 Jul;11(14):1650–58.

13. Keynote : Masayoshi Okada

Profile:

- **Name:** Masayoshi Okada
- **Nationality:** Japan
- **Sex:** Male
- **Birth of date:** 1936.02.18
- **Affiliation:** International Institute for Advanced General Medicine

Professional Societies:

- International Institute for Advanced General Medicine, Department of Cardiovascular Surgery (2005)
- Retired from Kobe University and Professor at Hyogo University and Health (1999)
- Professor and Chairman of surgery at Kobe University. (1992)
- Department of Surgery as guest doctor. Associated Professor at Kobe University. (1982)
- Worked at Heidelberg University (DAAD, Alexander von Humboldt Stiftung (1966-1968)
- Kobe University Postgraduate School of Medicine (1966)
- Assistant Professor of Surgery at Kobe University. (1966)
- Kobe University Postgraduate School of Medicine (1961)

14. Keynote : Michael Stark



Profile:

- **Name:** Michael Stark
- **Nationality:** Israeli
- **Sex:** : Male
- **Birth of date:** 1944 年 02 月 13 日
- **Affiliation:**
 1. NESA The New European Surgical Academy,
 2. Charité University Hospital Berlin,
 3. ELSAN Hospital Group, France
- **TEL:** +49 30 2092 4158, +49 174 992 3614

Academic Record:

- Residency in obstetrics and gynecology, Shaare Zedek Medical Center, affiliated with Hadassah Medical School, Jerusalem. Head: Prof. Z. Palti. (1973-1978)
- Post-graduate internship, general surgery, Ichilov Hospital, Head: Prof. M. Soloveitchik, Medical School, Tel-Aviv. (January-December 1972)
- Rotating Internship at the Beilinson University Hospital, Petach Tiqua, Israel (1970-1971)
- Medical School; graduated from Sackler Medical School, Tel Aviv University (1964-1970)

Specialty:

- Prof. Dr. Michael Stark specializes in Obstetrics and Gynecology. His main interest is gynecological oncology.
- He initiated the VIEZION project which combines targeted chemotherapy, PIF, immunology and stem-cell therapy for improving post-surgical oncological treatment.

Professional Societies:

- Prof. Stark is currently the scientific and medical advisor of ELSAN, a 120-hospital group in France and is a guest scientist at the Charite University Hospital in Berlin.
- Since 2004 he has been the President of the New European Surgical Academy (NESA), an international inter-disciplinary surgical organization with members in 54 countries and a formal cooperation agreement with FIGO concerning transmission of knowledge to countries with limited resources.
- In 2011, Prof. Stark was nominated as the Medico Del Anno (Doctor of the Year) in Italy, and is an Honorary Member of the French, Polish, Russian, Serbian, and Italian Gynecological Associations and Honorary Professor at the University of Chisinau.
- In the years 1983-2000 he was the medical director and head of Ob/Gyn department of the Misgav Ladach General Hospital in Jerusalem, and between 2001 and 2009 the chairman of all Ob/Gyn departments of the HELIOS Hospital Group in Europe. He was the scientific director of the European novel Tele-surgical system. He was visiting Professor at the Universities of Toronto, Moscow, Beijing, Milan, Adana, Uppsala and the Weill-Cornell University hospital in New York.

Rewards:

- Honorary member of the Polish Gynecological Association (2016)
 - Honorary member of the French Gynecological College (2015)
 - Medico del Anno (Doctor of the Year), Italy (2011)
 - Honorary Professor and Honorary Doctor at the University of Chisinau (1999)
- Honorary Member of the Italian Gynecological Surgery Organization (1992)

Selected Recent Publications:

1. The Importance of Standardizing Surgical Methods for Comparison between Hospitals and Surgeon. **Stark M.**, Malvasi A., Mynbaev O., Tinelli A., Clinics in Surgery V 2. 17 July 2017.
2. Commentary Re: "The Onset of Intra-Abdominal Adhesions During Closed-Abdomen Hyperthermic Intraperitoneal Chemotherapy" Mynbaev OA, Ivanov AA, Benhidjeb T, **Stark M.**, (J Laparoendosc Adv Surg Tech A 2016;26:997-1002). J Laparoendosc Adv Surg Tech A. 2017 Apr;27(4):423-424.
3. Work of separation - A method to assess intraperitoneal adhesion and healing of parietal peritoneum in an animal model. Clin Biomech (Bristol, Avon). Mynbaev OA, Ivanov AA, Simakov SS, Roubliova XI, Eliseeva MY, Benhidjeb T, **Stark M.**, 2017 Feb; 42:97-98.
4. Could Revision of the Embryology Influence Our Cesarean Delivery Technique: **Stark M.**, Mynbaev O, Vassilevski Y, Rozenberg P., Towards an Optimized Cesarean Delivery for Universal Use. AJP Rep. 2016 Jul; 6(3): e352-e354.
5. The small details that influence postoperative pain. **Stark M.**, Mynbaev O, Tinelli A, Malvasi A., Eur J Anaesthesiol. 2017 Feb;34(2):110-111.
6. The CORONIS trial on caesarean section. Mynbaev O, Tinelli A, Malvasi A, Babenko T, Kalzhanov Z, Dao B, **Stark M.**, Lancet. 2016 Oct 1;388(10052):1372-1373.
7. Does size matter? **Stark M.** J Turk Ger Gynecol Assoc. 2016 Sep 1;17(3):175. doi: 10.5152/jtgga.2016.16131. recollection 2016.
8. Possible cause-effect mechanisms of GI microcirculation changes during trans gastric natural orifice transluminal endoscopic surgery. Mynbaev OA, **Stark M.**, Benhidjeb T., Gastrointest Endosc. 2016 Jul;84(1):204-5.
9. Is there only CO2 insufflation pressure impact on surgical field visualization during robotic surgery? Mynbaev OA, Tinelli A, Malvasi A, Kadayifci O, Benhidjeb T, **Stark M.**, Arch Gynecol Obstet. 2015 Dec; 292(6):1177-8.

15. Keynote : Khalil Khatri



Profile:

- **Name:** Khalil A. Khatri
- **Nationality:** USA
- **Sex:** : Male
- **Birth of date:** 1956 年 07 月 22 日
- **Affiliation:** Skin & Laser Surgery Center of New England

Academic Record:

Medical School:

- Sindh Medical College
- Karachi, Pakistan, M.D. 1976-83

College:

- S. M. Science College
- Karachi, Pakistan H.Sc. 1973-75

Professional Societies:

- Medical Director - Syneron-Candela, Inc. (2018)
- Director - Skin & Laser Surgery Center of NE (1998)
- Director - New England Institute of Laser Research (2010)
- Clinical Associate Dermatology Massachusetts General Hospital Boston, MA (1998 – 2001)
- Medical Director The Laser Center Chestnut Hill, MA (1997 – 1998)
- Clinical Fellow Dermatologic Laser Surgery Massachusetts General Hospital
- Harvard Medical School Boston, MA (1995-1997)
- Second Residency Dermatology University of California, Davis Sacramento, CA (1992-1995)
- Chief Resident (1994-1995)
- First Residency Internal Medicine Carney Hospital, Boston University Boston, MA (1990-1992)
- Internship Internal Medicine Carney Hospital, Boston University Boston, MA (1989-1990)
- Post-doctoral Fellow Immunogenetics Harvard Medical School Boston, MA

(1988-1989)

- Assistant Physician Primary Care Columbia Medical Center Bronx, NY

(1986-1988)

- House Officer Internal Medicine Jinnah Postgraduate Medical Centre Karachi, Pakistan (1985-1986)
- Medical Officer Internal Medicine Karachi National Hospital Karachi, Pakistan (1984-1985)
- House Officer Surgery Jinnah Postgraduate Medical Centre Karachi, Pakistan (1983-1984)

Memberships:

- Invited speaker to many national and international conferences
- Chair, Constitution & Bylaws Committee, Am Soc for Laser Medicine & Surgery
- Audit Committee, Am Soc for Laser Medicine & Surgery
- Research Work Group, American Society for Dermatologic Surgery
- Member, Standards of Training Committee, Am Soc for Laser Medicine & Surgery
- Constitution & Bylaws Committee, Am Soc for Laser Medicine & Surgery
- Professional Conduct Committee, American Society for Dermatologic Surgery
- Research Committee, American Society for Dermatologic Surgery
- Founding member, International Academy of Laser Medicine and Surgery
- Editorial Board, Journal of Cosmetic and Laser Therapy.
- Utilization Review Committee, SMMC, Lowell, MA
- Co-chair, International Academy of Laser Med & Surgery, 2000 - 2008 Florence, Italy
- Executive Board, International Soc for Laser Medicine & Surgery
- Editorial Board, Online “Laser Journal” of Int Acad of Laser Med & Surgery
- International Advisory Committee, World Association of Laser Therapy Meeting, Tokyo, Japan, June, 2002 and Athens, Greece, May 2000
- International Advisory Committee, International Association for Laser & Sports Medicine Meeting, March 2000, Rosario, Argentina
- Sci. Committee, European Med Laser Assoc, Oct 1999/2000 Florence, Italy
- Sindh Medical College Silver Jubilee Award for Excellence in Dermatology, 1997

Selected Recent Publications:

1. The use of lasers in the treatment of skin cancer: F. Mirza, K. Khatri, A review J Cosmetic & Laser Ther, 2017; 19 (8):451-458
2. Laser Skin Resurfacing during Isotretinoin K. Khatri, Iqbal. N, Bhawan. J

Therapy Dermatol Surg 2015;41:758-759

3. Erbium Resurfacing: "A weaker option"? **K. Khatri**, Dermatol Surg 2015;41:650-651
4. Which Laser and Light Therapies Achieve Long Lasting Results? A Review of the Literature Over the Last 30 Years. D. Giambrone, **K. Khatri**, M. Alamgir, B. Rao Melasma, Pigmentary Disorders 2:176.
Doi:10.4172/2376-0427.1000176
<http://dx.doi.org/10.4172/2376-0427.1000176>
5. High Fluence Fractional Treatment of Photodamaged Facial Skin Using a 2940nm erbium:ytrium-aluminum-garnet **K. Khatri**, D. Mahoney, L. Hakam Laser J Cosmetic & Laser Ther, 2011
6. Laser scar revision: **K. Khatri**, D. Mahoney, M. McCartney A review J Cosmetic & Laser Ther, 2011; 13:54-62
7. Reduction in thigh circumference and improvement in the appearance of cellulite with dual-wavelength, low-level energy and massage J M. Gold, **K. Khatri**, K. Hails, R. Weiss, N. Fournier, Cosmetic & Laser Ther, 2011; 13:13-20
8. Burns Treatment of Cutaneous Lesions with a Novel Erbium-Doped Yttrium Aluminum Garnet Laser with Micron Tips Dermatol Surg **K. Khatri**, L., 2010;36:1390-139
9. Derm diagnoses you can't afford to miss. R. Hazin, J. Abuzetun, **K. Khatri**, J Fam Prac, 2009;58:298-306
10. Efficacy and safety of a 0.65 millisecond pulsed portable Nd:YAG laser for hair removal J **K. Khatri**, R. Lee, L. Goldberg, B. Khatri, V. Garcia, Cosmetic & Laser Ther, 2009; 11:19-24
11. The safety of long-pulsed Nd:YAG laser hair removal in skin types III–V patients during concomitant isotretinoin therapy J **K. Khatri**, Cosmetic & Laser Ther, 2009; 11:56-60
12. Micro-Fractional Ablative Skin Resurfacing with Two Novel Erbium Laser Systems C. Dierickx, **K. Khatri**, Z. Tannous, et al., Laser Surg Med, 2008;40:113-123
13. Bilateral aberrant axillary breast tissue mimicking lipomas: report of a case and review of the literature S. Ghosn, J. Bhawan, **K. Khatri**, J Cutan Pathol, 2007; 34 (Suppl. 1):9-13 Accepted
14. Laser and Light Therapies in Skin of Color: Special Considerations **K. Khatri** Cosm Dermatol, 2007;20:731-736
15. Comparison of Open technique with a new wound dressing, H2460, in healing of an acute wound after laser skin resurfacing. **K. Khatri**, J. Bhawan, R.

- Bhatty, V, Garcia, J *Cosmetic & Laser Ther*, 2007;9:173-180
16. Erbium:YAG Laser Resurfacing. Using a Novel Portable Device. J. Gordon, M. Khan, **K. Khatri**, *Facial Plast Surg Clin N Am*, 2007;15:185-189
 17. Light assisted hair removal in patients undergoing Isotretinoin therapy. **K. Khatri**, V. Garcia, *Dermatol Surg* 2006;32:875-877
 18. Laser skin resurfacing with a novel portable erbium:YAG laser. **K. Khatri**, J. Gordon, L. Garamela, *J Cosmetic & Laser Ther*, 2006;8:23-25
 19. Comparison of two wound dressings after laser skin resurfacing. **K. Khatri**, R. Margolis, R. Bhatty, V, Garcia, *J Cosmetic & Laser Ther*, 2005;7:206-212
 20. Diode Laser Hair Removal in Patients Undergoing Isotretinoin. **K. Khatri**, *TherapyDermatol Surg* 2004;30:1205-1207
 21. Ablation of Cutaneous Lesions using an Erbium:YAG Laser **Khatri K**, *J Cosmetic & Laser Ther* 2003;5:150-153
 22. Erbium:YAG Laser Skin Resurfacing: A Pakistani Experience. Lodhi A, Huzaira M, **Khatri K**, *J Cosmetic & Laser Ther* 2003;5:43-47
 23. The effects of variable pulse width of Erbium:YAG laser on facial skin **Khatri K**, *Dermatol Surg* 2001;27:332-33
 24. Laser Peel: Facial rejuvenation with a superficial Erbium:YAG laser treatment. **Khatri K**, Machado A, Magro C, *J Cut Laser Ther* 2000;2:119-123
 25. Laser Nelle Principali Indicazioni Della Medicina Estetica. Longo L, **Khatri K**, *La Medicina Estetica* 1999;23:175-182
 26. CO₂ and Erbium:YAG Laser, Letter to the Editor **Khatri K**, *J Cut Laser Theraphy* 1999;1:186-189
 27. Comparison of Erbium:YAG and CO₂ laser in resurfacing of facial rhytids. **Khatri K**, Ross V, Grevelink J, Magro C, Anderson R, *Arch Dermatol* 1999;135:391-397
 28. Patient characteristics and influencing factors for cosmetic laser surgery. Sultan F, **Khatri K**, *Int J Cosm Surg* 1999;6:118-122
 29. Comparative clinical trial of two CO₂ resurfacing lasers with varying pulse duration: Duke D, **Khatri K**, Grevelink J, Anderson R, 100 microseconds versus 1 millisecond *Arch Dermatol* 1998;134:1240-1246
 30. Lupus Pernio: Successful treatment with a potent topical corticosteroid **Khatri K**, Chotzen V, Burrall B, *Arch Dermatol* 1995;131:617-18

壹拾伍、 學術內容

一、 國際公開徵求論文

2019 世界雷射醫學大會，採公開徵求論文方式，歡迎全球的來賓，經由大會網站，自由進行報名、註冊，並經由網站上傳摘要，本次論文投稿截止日期為 2019 年 2 月 28 日。會中安排有海報論文發表，論文摘要的書寫及發表限用英文。

除與會者自由報名之外，大會之 Keynote Speakers 亦將由主辦單位邀請國際的院士或頂尖教育學者擔任。主辦單位於 2018 年 10 月 6 日至 8 日前往泰國曼谷市參加 2018 年亞洲大洋洲免疫學會聯合會 The Federation of Immunological Societies of Asia-Oceania(FIMSA)，推廣 2019 年世界雷射醫學大會，並廣邀來自全球各地專家學者參加 2019 年 WLMC 大會。

二、 論文審查

2019 世界雷射醫學大會之與會者，經由網站線上報名後，即可自行上傳繳交摘要送審。會議摘要由 WLMC 大會主辦單位負責邀請學術委員會予以審查，並直接經由大會網路資訊系統進行審查作業。論文經審查通過接受，完成註冊程序。論文審查結果於三月下旬通知聯繫。

三、 平行會議發表

學者專家就投稿之論文摘要在進經過審查後，優秀入選者得依照排定時間於大會中進行口頭報告及發表。藉由口頭論文發表機會，提供技術研究者一個分享學術工作及經驗的舞台，持續提升國內雷射醫療的研究。

四、 論文出版計畫

受邀演講者及論文投稿者之摘要，將由總會統整電子檔歸納，於會議中發放大會論文摘要於手冊予出席之與會者。與會期間將由論文審查委員負責評審，口頭發表及海報發表之論文，並精選部分論文，知會作者將其所發表之內容寫成完整之文章，依照國際期刊 Applied Radiation and Isotopes 之審查程序審核，以專輯發表於 Applied Radiation and Isotopes。

五、 海報論文張貼

海報論文發表者應在本會指定區域展示海報，並於論文發表大會海報展示時段派人出

席接受參與聽眾及論文審查委員之的提問與討論。

壹拾陸、 展望

透過國際會議活動，加強國際間合作關係及經驗分享，並宣傳台灣雷射醫學在各種相關醫界領域的基礎與硬軟實力，以提昇台灣 NGO 在國際間之地位，進而提昇台灣之國際知名度。也藉由此次的主辦活動，促成我們邁向國際社會、推動南向政策的極佳機會。也是我們向國際及亞洲諸國宣示台灣價值不只是民主自由制度與價值觀。

壹拾柒、 預期效益

透過國際會議活動，加強國際間合作關係及經驗分享，並宣傳台灣雷射醫學在各種相關醫界領域之成效，除以提昇台灣 NGO 在國際間之地位，進而提昇台灣在國際雷射醫學的知名度。此大會預計吸引來自歐美、亞太地區國家，包括美國、日本、大陸(包含香港及澳門)、芬蘭、瑞典、英國、德國、加拿大、義大利、阿根廷、以色列、韓國、印尼、泰國、馬來西亞、菲律賓、越南等國家，國外專家學者預計 150 位國內預計 650 位，共計 800 餘人參與。從歷屆舉辦過的國際級雷射醫學大會包括各種工作坊課程，會議和論壇交流均達成以下令人激賞的效果：

- 積極拓展台灣雷射醫學於國際學術界的影響力。
- 構建與國際上的其他相關雷射醫學的學會及協會友好連結網絡。
- 建立與傳播台灣雷射醫學成就的信息交換平台。
- 推動國民外交，拓展國際友誼，以台灣成就與世界互動，成功分享案例及經驗。

壹拾捌、 會議展覽項目及規模

一、 會展項目

- (一) 會前訓練工作坊 (Preconference Training Course) 1 場次
- (二) 分組討論 (Parallel presentation session) 24 場次
- (三) 邀約演講 (Invited Lecture) 24 場次
- (四) 全員演講 (Plenary Lecture) 2 場
- (五) 開幕典禮與午宴 (Opening ceremony & lunch) 3 場次
- (六) 展覽攤位 (Exhibition booth) 48 個
- (七) 大會晚宴 (Gala Dinner) 2 場次
- (八) 閉幕典禮 (Closing Ceremony) 1 場次

二、 場地需求

- (一) 可容納約 800 人之會議及宴會廳，舉辦開/閉幕典禮及午/晚宴 4 場次
 - (二) 分組可容納 200 人會議室 6 間
 - (三) 可容納 48 攤位展覽
 - (四) 多功能場地 4 間：秘書處、發表人準備室、祈禱室、講員休息室及儲藏室等
-
- 預期參加人數： 800 人
 - 預期國內外講員人數： 40 人
 - 預期國外參與人數： 150 人
 - 預期國內參與人數： 650 人
 - 展覽攤位： 48 個，邀請相關雷射醫學的國內外知名廠商參展。
 - 參加國家名稱：美國、日本、大陸(包含香港及澳門)、芬蘭、瑞典、英國、德國、加拿大、義大利、以色列、韓國、印尼、泰國、馬來西亞、菲律賓、越南、臺灣。