



Interventional oncology

Sans Frontières

The 1st World Meeting on
FUSION IMAGING & AUGMENTED REALITY
for Interventional Procedures

INTERVENTIONAL ONCOLOGY SANS FRONTIERES (IOSF) CONGRESS 2016

and 1st World Congress on **FUSION IMAGING** and
AUGMENTED REALITY for Interventional Procedures

Milan, Italy - July 7- 9, 2016 - ATA Hotel Fiera

ORGANIZING and SCIENTIFIC COMMITTEE:

Luigi Solbiati
S. Nahum Goldberg
Franco Orsi

Fusion Imaging and Augmented Reality SCIENTIFIC COMMITTEE:

Giovanni Mauri
Anastasios Michos
Francesco DiMeco
Francesco Prada
Guido Torzilli

www.iosfc2016.org

Dear Friends and Colleagues,

*It is our great pleasure to invite you to participate in our Meeting
“Interventional Oncology Sans Frontières” (IOSF)
that will take place in July 2016 in Milan, Italy.
Following the great success of the previous Meeting in 2013
in Cernobbio (Como Lake)
we have undertaken a further meeting which
on this occasion will take place in Milan in July 2016.
Our Organizing Committee, comprising the key world opinion leaders
in this field, has particularly constructed the Meeting to be exciting
and informative on multiple levels with many innovations
and the participation of international colleagues.
Thus, we are confident that you will enjoy your worthwhile time at the IOSF,
and sincerely looking forward to seeing you soon.*

Luigi Solbiati, S. Nahum Goldberg, Franco Orsi

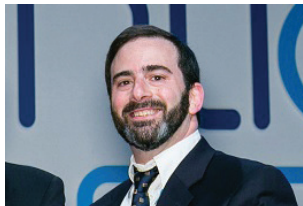
for the IO Sans Frontières Organizing Committee



Luigi SOLBIATI, MD
Professor of Radiology

Humanitas University
and Research Hospital
Rozzano (Milano), ITALY

lusolbia@tin.it



S. Nahum GOLDBERG, MD, FSIR
Vice-Chairman, Research

Director Image-guided Therapies
and Tumor Ablation
Dept. of Radiology
Hadassah Hebrew University Med. Center
Jerusalem, ISRAEL

sgoldber@bidmc.harvard.edu



Franco ORSI, MD
Chairman

Dept. of Interventional Radiology
IEO European Institute of Oncology,
Milano ITALY

franco.orsi@ieo.it

Faculty

Ahmed Muneeb (USA - Boston)
Beth Israel Deaconess Medical Center

Aliberti Camillo (ITALY - Padova)
IRCCS Istituto Oncologico Veneto

Arai Yasuaki (JAPAN - Tokyo)
National Cancer Center Hospital

Baek Jung Hwan
(SOUTH KOREA - Seoul)
Asan Medical Center
Ulsan University Hospital

Bale Reto (AUSTRIA - Innsbruck)
University Clinic of Radiology
Innsbruck Medical University

Basso Curzio (ITALY - Genova)
Camelot Biomedical Systems

Bizzarri Giancarlo
(ITALY - Albano Laziale - Roma)
Ospedale Regina Apostolorum

Breen David (UK - Southampton)
University Hospital of Southampton

Brown Karen T. (USA - New York)
Memorial Sloan Kettering Cancer Center

Burgmans Mark
(NETHERLANDS - Leiden)
LUMC, Leiden University Hospital

Cazzato Roberto Luigi
(FRANCE - Strasbourg)
Nouvel Hôpital Civil, Hôpitaux
Universitaires de Strasbourg

Cerri Giovanni (BRAZIL - Sao Paulo)
University of Sao Paulo

Cianni Roberto (ITALY - Latina)
Ospedale Santa Maria Goretti

Cillo Umberto (ITALY - Padova)
Policlinico Universitario di Padova

Crocetti Laura (ITALY - Pisa)
Azienda Ospedaliera Universitaria Cisanello

de Baere Thierry (FRANCE - Paris)
Institut Gustav Roussy

Donadon Matteo (ITALY - Rozzano - Milano)
Istituto Clinico Humanitas

Fischer Thomas (GERMANY - Berlin)
Ultrasound Research Laboratory of the
Charité Campus Mitte

Gadaleta Cosmo (ITALY - Bari)
IRCCS Ospedale Oncologico Giovanni
Paolo II

Geschwind Jeff (USA - New Haven)
Yale University School of Medicine

Gillams Alice (UK - London)
The London Clinic

Golby Alexandra (USA - Boston)
Brigham and Women's Hospital

Goldberg Nahum (ISRAEL - Jerusalem)
Hadassah Hebrew University Medical
Center

Hasegawa Kiyoshi (JAPAN - Tokyo)
Graduate School of Medicine,
University of Tokyo

Helmberger Thomas
(GERMANY - Munich)
Klinikum Bogenhausen

Hinshaw Louis J. (USA - Madison)
Univ. of Wisconsin, School of Medicine
and Public Health

Jung Ernst-Michael
(GERMANY - Regensburg)
University Hospital of Regensburg

Kelekis Alexis (GREECE - Athens)
Attikon University Hospital

Lee Min Woo
(SOUTH KOREA - Seoul)
Samsung Medical Center

Lever Alex (UK - London) Selex ES

Malagari Katarina (GREECE - Athens)
University of Athens

Mauri Giovanni (ITALY - Milano)
Istituto Europeo di Oncologia

Meloni Franca M. (ITALY - Milano)
Casa di Cura Igdea

Michos Anastasios
(SWEDEN - Stockholm)
Karolinska Institute

Narayanan Govindarajan (USA - Miami)
University of Miami

Orsi Franco (ITALY - Milano)
Istituto Europeo di Oncologia

Pece Salvatore (ITALY - Milano)
Istituto Europeo di Oncologia

Pereira Philippe
(GERMANY - Heilbronn)
SLK-Kliniken

Perin Alessandro (ITALY - Milano)
Istituto Neurologico Besta

Ping Liang (CHINA - Beijing)
PLA General Hospital

Poretti Dario
(ITALY - Rozzano - Milano)
Istituto Clinico Humanitas

Prada Francesco (ITALY - Milano)
Istituto Neurologico Besta

Rhim Hyunchul
(SOUTH KOREA - Seoul)
Samsung Medical Center

Richter Goetz M.
(GERMANY - Stuttgart)
Klinik für Diagnostische und
Interventionelle Radiologie

Ricke Jens (GERMANY - Magdeburg)
DAfMT, Deutsche Akademie für
Mikrotherapie

Salem Riad (USA - Chicago)
Northwestern University

Sardanelli Francesco
(ITALY - San Donato Mil. - Milano)
Policlinico San Donato

Scorsetti Marta
(ITALY - Rozzano - Milano)
Istituto Clinico Humanitas

Selbekk Tormod
(NORWAY - Trondheim)
SINTEF Medical Technology

Shiina Shuichiro (JAPAN - Tokyo)
Juntendo University

Sofocleous Constantinos
(USA - New York)
Memorial Sloan Kettering Cancer Center

Solbiati Luigi (ITALY - Rozzano - Milano)
Istituto Clinico Humanitas

Solomon Steve (USA - New York)
Memorial Sloan Kettering Cancer Center

Steno Andrej (SLOVAKIA - Bratislava)
University Hospital Bratislava

Torzilli Guido (ITALY - Rozzano - Milano)
Istituto Clinico Humanitas

van Strijen Marco
(NETHERLANDS - Nieuwegein)
St. Antonius Ziekenhuis

Viganò Luca (ITALY - Rozzano - Milano)
Istituto Clinico Humanitas

Wood Brad (USA - Bethesda)
National Institutes of Health

Scientific Program



Thursday, July 7th

08:15 - 8:40 REGISTRATION		
08:40 - 09:00	Welcome and Introduction	Organizing Committee Giovanni Cerri
09:00 - 09:20	Keynote Lecture: 20 years of ablation: Past, present and future	Steve Solomon

STATE-OF-ART OF TECHNOLOGY		
IMAGING		
09:25 - 09:40	Cone beam technology: How did we ever work without it ?	Marco van Strijen
09:40 - 09:55	CEUS for the guidance of thermal ablation: Current reliability and advancements	Ernst-Michael Jung
09:55 - 10:10	CEUS and TAE/TACE: A new "marriage"	Dario Poretti
10:10 - 10:20	Real-time ablation monitoring: Elastosonography makes the dream come true	Laura Crocetti
10:20 - 10:35	MRI for guidance: How do I justify it ?	Philippe Pereira
10:35 - 10:50	Imaging and follow-up: When and how ?	Thomas Helmberger
10:50 - 11:00	DISCUSSION	

11:00 - 11:10	COFFEE BREAK	
---------------	--------------	--

11:10 - 11:30	Keynote Lecture: Cancer stem cells as a target for therapeutic intervention in cancer	Salvatore Pece
---------------	---	-----------------------

ABLATION		
11:30 - 12:00	RF vs MW: How do I choose ?	
	* MW: In 2016 it's the only way to go	Franca Meloni
	* But I still love using Radiofrequency	Alice Gillams
12:00 - 12:15	Microwave ablation - Is it living up to the hype ?	J. Louis Hinshaw
12:15 - 12:30	Irreversible electroporation: State of the art	Govindarajan Narayanan
12:30 - 12:45	HIFU: State of the art	Franco Orsi

12:45 - 12:50	DISCUSSION
---------------	------------

12:50 - 13:10	Keynote Lecture: Systemic effects of ablation	S. Nahum Goldberg
---------------	---	--------------------------

13:10 - 14:00	LUNCH
---------------	-------

1ST WORLD MEETING ON FUSION IMAGING AND AUGMENTED REALITY FOR INTERVENTIONAL PROCEDURES

FUSION IMAGING AND NAVIGATION IN INTERVENTIONAL ONCOLOGY

14:00 - 14:20	Navigation tools: An overview	Brad Wood
14:20 - 15:10	Are they really useful for liver ablations ?	
	* The Italian experience	Giovanni Mauri
	* The European experience	Anastasios Michos
	* The Chinese experience	Liang Ping
	* The Korean experience (S-Fusion)	Min Woo Lee
15:10 - 15:35	Extrahepatic applications	
	* Virtual Navigation: Prostate, lung and neck	Giancarlo Bizzarri
	* Prostate interventions with irreversible electroporation	Thomas Fischer
15:35 - 15:45	Where will Fusion Imaging and Navigation be in 3 years ?	Luigi Solbiati
15:45 - 15:55	DISCUSSION	

15:55 - 16:15	COFFEE BREAK
---------------	--------------

FUSION IMAGING AND NAVIGATION IN NEUROSURGERY

16:15 - 16:30	Multimodal visualisation in interventional procedures	Tormod Selbekk
16:30 - 16:45	Fusion imaging in neurosurgery	Francesco Prada
16:45 - 17:00	3D navigated ultrasound	Andrej Steno



FUSION IMAGING AND NAVIGATION IN ABDOMINAL SURGERY

17:05 - 17:20	Fusion imaging and fluorescence for strategic surgical planning	Kiyoshi Hasegawa
17:20 - 17:35	Fusion imaging for the surgical management of colorectal liver metastases	Guido Torzilli
17:35 - 17:50	Fusion imaging as a tool for facilitating surgeons' training in intraoperative navigation	Matteo Donadon

THE FUTURE: INTEGRATED MULTIMODAL IMAGING, AUGMENTED REALITY AND NOVEL PARADIGMS FOR INTERVENTIONAL TRAINING

17:55 - 18:10	The AMIGO suite: A surgical innovation laboratory	Alexandra Golby
18:10 - 18:50	- Intra-operative US simulation for neurosurgical training	Curzio Basso
	- Simulation techniques: From high-tech aviation to high-risk surgery	Alex Lever
	- New candidates' selection and teaching paradigms in neurosurgery: Preliminary experience at the Besta NeuroSim Center	Alessandro Perin
18:50 - 19:00	DISCUSSION AND CONCLUSIONS	

Friday, July 8th

CUTTING EDGE I O PRACTICE by ORGAN SYSTEM: Part I		
HCC - 20 years of thermal ablation		
08:30 - 08:45	RFA: Results and lessons learned	<i>Shuichiro Shiina</i>
08:45 - 09:00	RFA: Still relevant for HCC ?	<i>Hyunchul Rhim</i>
09:00 - 09:10	Can we raise the bar using Microwaves ?	<i>Franca Meloni Luigi Solbiati</i>
09:10 - 09:25	Ablation for intermediate HCC: extending BCLC guidelines	<i>Reto Bale</i>
09:25 - 09:40	Is BCLC therapeutic flow-chart still applicable ?	<i>Philippe Pereira</i>
09:40 - 09:55	I O treatments in a Transplant Center	<i>Umberto Cillo</i>
09:55 - 10:10	Evolving role of combination therapies	<i>S. Nahum Goldberg</i>
10:10 - 10:20	DISCUSSION	

HEPATIC COLORECTAL METASTASES		
10:20 - 10:35	Conservative ablation	<i>Constantinos Sofocleous</i>
10:35 - 10:50	Aggressive ablation	<i>Alice Gillams</i>
10:50 - 11:05	Stereotactic body radiation therapy vs ablation	<i>Marta Scorsetti</i>
11:05 - 11:15	DISCUSSION	
11:15 - 11:35	COFFEE BREAK	

LUNG		
11:35 - 11:50	We can do quite a bit with ablation	<i>Steve Solomon</i>
11:50 - 12:05	We can do even better adding chemoembolization	<i>Cosmo Gadaleta</i>
12:05 - 12:20	Radiation therapy is just fine, thank you	<i>Marta Scorsetti</i>
12:20 - 12:30	DISCUSSION	
12:30 - 13:40	LUNCH	
13:40 - 14:00	Keynote Lecture: TAE or TACE ? The ultimate answer !	<i>Karen Brown</i>



THE ARTERIAL ROUTE TO THE TUMOR

HCC

14:00 - 14:15	Conventional TACE: Why Asia does it better ?	<i>Yasuaki Arai</i>
14:15 - 14:30	TACE 2.0: Eluting beads: The first generation	<i>Katerina Malagari</i>
14:30 - 14:45	TACE 2.0: Eluting beads: The latest !	<i>Goetz M. Richter</i>
14:45 - 15:00	Beyond TACE: Do degradable starch microspheres put everything at stake ?	<i>Philippe Pereira</i>
15:00 - 15:10	DISCUSSION	

RADIOEMBOLIZATION

15:10 - 15:30	Y ⁹⁰ RE or TACE: That is the question	<i>Riad Salem</i>
15:30 - 15:45	Do it superselectively or don't bother	<i>Roberto Cianni</i>
15:45 - 16:00	What's new ? Lobar hypertrophy	<i>Riad Salem</i>
16:00 - 16:10	DISCUSSION	

16:10 - 16:30	COFFEE BREAK	
---------------	--------------	--

METASTATIC LIVER

16:30 - 16:45	Hepatic Intra-arterial Chemotherapy: Drug delivery... at home	<i>Jeff Geschwind</i>
16:45 - 17:00	The DEBIRI affair: What you should know	<i>Camillo Aliberti</i>
17:00 - 17:10	Integration of SIR-Spheres Y ⁹⁰ resin microspheres into the management of colorectal metastases	<i>Jens Ricke</i>
17:10 - 17:25	Percutaneous hepatic chemoperfusion: Still alive ?	<i>Mark Burgmans</i>
17:25 - 17:40	NET: The essential role of interventional radiologists	<i>Thierry de Baere</i>
17:40 - 17:50	The "Humanitas protocol" for treatment of recurrence of mCRC after resection	<i>Luca Viganò</i>
17:50 - 18:00	DISCUSSION	
18:00 - 18:40	GOLD MEDAL PRESENTATIONS HONORING SEMINAL CONTRIBUTIONS TO INTERVENTIONAL ONCOLOGY: Italy: Tito Livraghi - United States: William Charboneau - China: Min-Hua Chen	

Saturday, July 9th

CUTTING EDGE I O PRACTICE by ORGAN SYSTEM: Part 2

KIDNEY and ADRENAL

08:45 - 09:00	20 years of RFA for renal cell carcinoma: Results and lessons learned	Franco Orsi
09:00 - 09:15	Renal mass ablation: What is the case for cryo ?	David Breen
09:15 - 09:30	Interventional Oncology for kidney familial disease	Brad Wood
09:30 - 09:45	When to treat the adrenal gland	Muneeb Ahmed
09:45 - 09:55	DISCUSSION	

BONE

09:55 - 10:15	What is the best way to ablate bone tumors ?	Roberto L. Cazzato
10:15 - 10:30	Expanding the role of I O in musculoskeletal procedures	Alexis Kelekis
10:30 - 10:40	DISCUSSION	

10:55 - 11:15	COFFEE BREAK	
---------------	--------------	--

11:15 - 11:35	Keynote Lecture: Mechanistic basis for improved TACE techniques	Jeff Geschwind
---------------	---	-----------------------

11:40 - 12:00	Breast cancer and ablation: What is the evidence ?	Francesco Sardanelli
12:00 - 12:20	Ablation of thyroid cancers and cervical malignant adenopathies	Jung Hwan Baek
12:20 - 12:30	DISCUSSION	

12:30 - 12:50	Keynote Lecture: Debunking current myths in clinical trial design: Points of consideration for Interventional Radiology	Riad Salem
---------------	--	-------------------

12:50 - 13:50	LUNCH	
---------------	-------	--

13:50 - 15:00	7 BEST ABSTRACTS (7 min + 3 min Discussion)	
15:00 - 16:00	CLINICAL PEARLS	Muneeb Ahmed Yasuaki Arai Thomas Helmberger

16:00 - 16:50	CASES I WISH I DID DIFFERENTLY	Roberto L. Cazzato Thierry de Baere Govindarajan Narayanan
16:50 - 17:00	CONCLUSIONS	

IOSFC CME Credits

The IOSFC 2016 will be accredited at the European Accreditation Council for medical Education (EACCME) and at the Italian Continuing Medical Education (CME)

Disciplines accepted are:

- Physicians
- Radiographers
- Nurses

The attendance to the sessions is verified through a magnetic badge combined with the Congress Badge. Assistants placed at the entrance will pass a reader on badge bar codes in order to scan entrance/exit to/from the Congress Simposia.

Only participants that had attended to IOSFC Congress and completed the IOSFC CMETEST will obtain CME/EACCME credit certificate.

A system for Continuing Medical Education (CME) is aimed to assure a high level of theoretic and clinical competence throughout the working life of medical specialists. Doctors are faced



with an exploding amount of literature and new technologies as well as a concern about escalating medical costs with a great emphasis on efficacy.

CME provides educational activities, which allow one to maintain, develop and increase medical knowledge and skill and to improve the professional performance to ensure better and safer treatment for the patient. The UEMS - European Union of Medical Specialists is representing 34 European Countries.

General Information

Congress Venue

The Atahotel Expo Fiera, the largest Hotel for conferences and is designed and built with "state of the art technology".

The Atahotel Conference Centre that can host up to 2900 people in its two modular plenary halls with natural light. The Conference Centre is all equipped with free Wi-Fi internet connection. The two Foyers are ideal for large exhibition areas of all type and size booths.

The building itself looks out onto a park, where nature lovers can relax.

Congress Registration

EARLY BIRD RATE	Until April 6 th , 2016	From April 7 th to June 7 th , 2016	From June 8 th to June 20 th , 2016
Physician	€ 550,00 VAT INCLUDED	€ 700,00 VAT INCLUDED	€ 850,00 VAT INCLUDED
Physician registered to a Scientific Society*	€ 500,00 VAT INCLUDED	€ 650,00 VAT INCLUDED	€ 800,00 VAT INCLUDED
Radiographer / Nurse / Resident**	€ 175,00 VAT INCLUDED	€ 225,00 VAT INCLUDED	€ 275,00 VAT INCLUDED
Medical Student ***	€ 50,00 VAT INCLUDED	€ 50,00 VAT INCLUDED	€ 50,00 VAT INCLUDED
Non-exhibiting Industries	€ 550,00 VAT INCLUDED	€ 700,00 VAT INCLUDED	€ 850,00 VAT INCLUDED
Exhibiting Industries	€ 550,00 VAT INCLUDED	€ 700,00 VAT INCLUDED	€ 850,00 VAT INCLUDED
Accompanying person ****	€ 100,00 VAT INCLUDED	€ 100,00 VAT INCLUDED	€ 100,00 VAT INCLUDED
One Day registration	€ 300,00 VAT INCLUDED	€ 300,00 VAT INCLUDED	€ 300,00 VAT INCLUDED

Please note that an additional on-site fee of € 60,00 will be applied.

Cancellation will be accepted until June 19th, 2016 with refund of the amount paid - 50 euros (fee charge)

*To benefit from membership fees, physicians must indicate in the Registration Form their Scientific Society of affiliation and membership number.

** Radiographer/Nurses and Resident (under the age of 35) must submit by e-mail or by fax a certificate signed by the Head of the Department and a copy of a valid ID together with their registration.

*** Medical students (under the age of 27) must submit by e-mail or by fax a certificate of study and a copy of a valid ID together with their registration.

****Accompanying person: registration for a spouse/guest, accompanied by a registered attendee, includes access to scientific and technical exhibitions, refreshment breaks and lunch. The fee does not include meeting materials or certificate of attendance.

Registration Fee Includes:

- Admission to all scientific sessions
- Admission to scientific exhibition
- Admission to technical exhibition
- Congress materials
- Certificate of attendance
- Refreshment breaks and lunch daily

Register on line at www.iosfc2016.org with Credit card payment (only with Visa and Mastercard)

Official Travel Agency

PV Agency S.P.A

Viale Gian Galeazzo, 3
20136 Milano, ITALY
Web: www.pvagency.it

Hotel Accommodation

Telephone: + 39 02 58189.545
Fax: +39 02.58189.432
Email:
accommodation@IOSFC2016.org

Hotel Accommodation for Group

Telephone: + 39 02 58189.548
Fax: +39 02.58189.431
Email:
group.accommodation@IOSFC2016.org

Organizing Secretariat

ARSEDUCANDI Srl

Viale Gian Galeazzo, 3
20136 Milano, ITALY
Web: www.arseducandi.it

Congress Secretariat Information/General

Telephone: + 39 02 58189.573
Fax: +39 02.58189.439
Email: info@IOSFC2016.org

Registration

Telephone: + 39 02 58189.564
Fax: +39 02.58189.408
Email: registration@IOSFC2016.org

Group Registration

Telephone: + 39 02 58189.571
Fax: +39 02.58189.471
Email: group.registration@IOSFC2016.org

Speakers Contact

Telephone: + 39 02 58189.543
Fax: +39 02.58189.421
Email: scientific@IOSFC2016.org

Abstract Handling

Telephone: + 39 02 58189.552
Fax: +39 02.58189.428
Email: abstract@IOSFC2016.org

Exhibition & Sponsors

Telephone: + 39 02 58189.565
Fax: +39 02.58189.430
Email: exhibition@IOSFC2016.org