Dear friends and colleagues,

The ISFRI Congress Committee is pleased to invite you to Zurich, Switzerland, for the 2nd Congress of the International Society of Forensic Radiology and Imaging (ISFRI) on May 13-14, 2013. The main objective of this congress is to build the foundation for establishing guidelines in forensic radiology and imaging. As a participant of this congress you will be invited to actively contribute to this process. There will be guided workshops and plenary discussions to identify key topics in forensic imaging, to define common goals, to set priorities and develop a roadmap for the near future.

In addition, you will have the opportunity to share and discuss your experience in forensic imaging with colleagues from all over the world. You may present your latest scientific results as oral presentation during the scientific sessions or as poster for the poster exhibition. The congress provides a unique platform for networking and building the framework for international collaboration and cooperation in forensic imaging.

We hope you will join us at the 2nd ISFRI Congress in Zurich, Switzerland!

Sincerely,

Michael Thali    Thomas Ruder
Chairman of the ISFRI   Congress Coordinator

TAR G E T AU D I E N C E

The ISFRI Congress is aimed at all persons who are professionally involved in forensic radiology and imaging, including forensic and general pathologists, medical examiners and coroners, autopsy technicians, radiologists, radiographers and radiologic technologists, anthropologists, medical & forensic photographers, MR physicists, surveying specialists, and computer scientists.

O B J E C T I V E

The objective of the ISFRI Congress 2013 is to develop an internationally supported roadmap to establish guidelines in forensic radiology and imaging. This aim is to be accomplished through communication and cooperation between experts in the field of forensic radiology and imaging from all over the world.

WELCOME ADDRESS

CONGRESS PROGRAM

MONDAY, MAY 13, 2013

8:00 AM  REGISTRATION
9:00 AM  Welcome and Introduction                              Michael Thali
9:15 AM  PLENARY SESSION I - BORDER CONTROL, SMUGGLING, AND IDENTIFICATION OF FOREIGN OBJECTS
          Moderated by Guillaume Gorincour and Guy Rutty
9:15 AM  Keynote Lecture - Forensic Imaging at the airport: luggage scanners and whole body imaging
          Olive E. Wetter and Christian Schwizgebel
9:35 AM  Keynote Lecture - Dual-energy computed tomography: applications in forensic radiology
          Hatem Alkadhi
9:55 AM  Low dose dual-energy computed tomography in suspected body packers and body stuffers - Preliminary clinical experience
          Jürgen Fornaro
10:05 AM Detection of bodypacks: Accuracy of abdominal radiography vs very low dose CT
          Simon Blum
10:15 AM The Forensic Reference Phantom - a new tool for quality assurance of attenuation measurements in forensic radiology
          Thomas Ruder
10:25 AM POSTER SESSION & COFFEE BREAK

11:00 AM  PLENARY SESSION II - CURRENT OPINIONS IN POST-MORTEM ANGIOGRAPHY
          Moderated by Chris O'Donnell and Fabrice Dedouit
11:00 AM Value of minimally invasive, whole body, postmortem CT angiography in determining causes of spontaneous haemopericardium
          Sarah Parsons
11:10 AM Multi phase post mortem computed tomography angiography in seven lethal cases of great height falls: preliminary results of a French experience
          Fabrice Dedouit
11:20 AM Do we really need a dedicated equipment to achieve a multiphase postmortem CT angiography?
          Guillaume Gorincour
11:30 AM When it goes wrong: complications of postmortem CT angiography (PMCTA) as performed at VIFM
          Chris O'Donnell
TUESDAY, MAY 14, 2013

8:30 AM PLENARY SESSION III - FUNDAMENTAL RESEARCH IN FORENSIC IMAGING
Moderated by Lars Oesterhelweg and Rick R. van Rijn
8:30 AM Keynote lecture: Phase contrast X-ray imaging: a new diagnostic tool? Marco Stampanoni
8:50 AM Determining the Temperature-Dependence of Tissue Relaxation Times (T1 and T2) for Prospective Optimization of Post-Mortem Magnetic Resonance (PMMR) Image Contrast Natalie Adolphi
9:00 AM The anatomical variations of the hyoid-larynx complex Bernadette de Bakker
9:10 AM Semi-automated digital bullet trajectory reconstruction in craniofacial ballistic trauma Wim Develter
9:20 AM CT appearance of gas collections can predict the cause of death in scuba diving accidents Pierre-Eloi Laurent
9:30 AM Forensic imaging: 3D visualization of scattered CT-dense particles contained in the skin Wolf Schweitzer
9:40 AM POSTER SESSION & COFFEE BREAK

10:50 AM PLENARY SESSION IV - SCIENCE TO PRACTICE
Moderated by Kurt Nolte and Anders Persson
10:50 AM Forensic imaging and more... Walter Coudyzer
11:00 AM Postmortem Multislice CT Implementation for Routine Added Value to Classic Autopsy in Selected Cases: A Starter-Kit for a 350000 - Inhabitants Swiss Canton Population Marco Palmesino
11:10 AM Introducing Virtopsy into a Country Religiously Opposed to Autopsy Nadav Berkovitz
11:20 AM Application of PMCT in cases of deaths potentially caused by tension pneumothorax Krzysztof Wozniak
11:30 AM Post-mortem Whole Body Computed Tomography of Heroin and Methadone Abusers: First Results Sebastian Winkhofer
11:40 AM Court on the Web: Courtroom simulation in distance learning Jacque Vallis
11:50 AM Forensic Radiology at the New York City Office of the Chief Medical Examiner (NYC OCME): Current US forensic radiology practices and reflections on the future Zoe Miller

END OF SESSION
Congress Program

12:00 PM LUNCH BREAK

1:30 PM PLENARY SESSION V - IDENTIFICATION: PAST AND PRESENT
Moderated by Morio Iino and David Fowler

1:30 PM Keynote lecture - Paleoradiology: The cause of death of Oetzi and Tutankhamun
Frank Rühli

1:50 PM Multi-Detector Computed Tomography - 'one stop shop' for Anthropological Examination of Juvenile Remains? A study of Reliability
Allison Brough

2:00 PM Estimation of age by ultrasonography of radius and ulna
Jatin Bodwal

2:10 PM Identification of a jawless skull by superimposing AM and PM CT images
Morio Iino

2:20 PM Accuracy and Reliability of soft tissue depth measurements from CT for forensic facial reconstruction
Summer Decker

2:30 PM A computational framework for CT-based Craniofacial Reconstruction
Dirk Vandermeulen

2:40 PM Invited lecture - The Imaging of Richard III
Guy Rutty

3:00 PM COFFEE BREAK

3:30 PM CLOSING SESSION
Moderated by Alexis Puhan

3:30 PM Workshop „Roadmap Forensic Imaging“ - next steps

4:30 PM CLOSING CEREMONY, DISCUSSION, AND OUTLOOK
Presided by ISFRI Board

5:00 PM END OF SESSION

Break-out Sessions

Tuesday, May 14, 2013

10:00 AM Finalize project planning for each strategic objective
Participants: Chairs and moderators of working-groups
Moderated by Alexis Puhan

12:30 PM Disaster Victim Identification
Participants: to be defined
Moderated by Guy Rutty

announced EES Instructions for editors
at congress Participants: Members of the editorial board of JOFRI
Moderated by Elsevier

Board of Scientific Advisers and Reviewers for the 2nd ISFRI Congress

Andreas Christe Bern, Switzerland
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Luiz Fernando Silva São Paulo, Brasil
Rick R. van Rijn Amsterdam, Netherlands
Mark Viner Bromley, United Kingdom
Krzysztof Wozniak Kraków, Poland
Olive Emil Wetter, PhD, is a psychologist with a degree in psychopathology and English literature from the University of Zurich. As a student he developed an interest in airport security systems and wrote his master thesis on this topic. In 2012 he wrote a PhD thesis on the management of security control using goal setting on different organizational levels. Since 2007, he works for the Research & Development unit of the Airport Police which is a branch of the Zurich State Police. In addition, Dr. Wetter is the head of a research group at the University of Zurich, focusing on security and psychology. This group is actively involved in projects investigating topics related to insider crime and security culture. Dr. Wetter is the author of numerous scientific publications and has contributed to scientific meetings as invited speaker. He lectured at the universities of Zurich and Bern. In 2011 Wetter was the chair of a national symposium on security research in Switzerland. He is a reviewer for scientific journals and accredited expert examiner for several institutions and board examinations.

Sgt. Christian Schwizgebel has served the Airport Police of the Zurich State Police for over 30 years. During his career, he was employed as sniper, air marshal, and licensed bomb disposal specialist. Sgt. Schwizgebel has vast experience in this field. He was a team leader of the police unit involved in security policing, traffic policing, and border policing. Later, he was the head of the department of hold baggage, cargo, and mail screening of the security control unit of the Airport Police. During this time he was in charge of 250 employees. For the last two years Sgt. Schwizgebel has been active as a project manager for infrastructural and technical projects at Zurich Airport.

Hatem Alkadhi, MD, MPH, EBCR, Professor and Senior Radiologist is Section Head Computed Tomography and Research at the Institute of Diagnostic and Interventional Radiology at the University Hospital Zurich (Switzerland). He was a resident in neuroradiology at the Institute of Neuroradiology and in radiology at the Institute of Diagnostic and Interventional Radiology at the University Hospital Zurich (Switzerland). He received his Master in Public Health at the Harvard School of Public Health in Boston, Massachusetts (USA). He is editor of three textbooks and has co-authored more than 250 papers in radiology.

Frank Rühli, MD, PhD, is associate Professor and head of the Centre for Evolutionary Medicine at the Institute of Anatomy, University of Zurich. He studied Medicine at the University of Zurich. After graduation (incl. USMLE I/II and Dr.med.) he worked at the Institute of Diagnostic Radiology, University Hospital Zurich. He undertook a PhD at the Biological Anthropology and Comparative Anatomy Research Unit, Anatomical Sciences, University of Adelaide (Australia), where he also held a full-time lectureship. He has worked at the Institute of Anatomy in the University of Zurich since 2003. He is Associated Editor, Editor and Editor-in-Chief of six peer-reviewed journals; Frank Rühli conducts extensive research a.o. on clinical anatomy, paleoradiology, and paleopathology (especially ancient mummy studies).

Marco Stampanoni, PhD, studied physics at the Swiss Federal Institute of Technology in Zurich (ETHZ) and obtained his MSc in 1998. He enrolled in a PhD program and in a MAS in Medical Physics at the ETHZ. His PhD was awarded with the ETH Medal in 2003 and initiated the synchrotron-based tomographic microscopy activities in Switzerland. Since 2004, Prof. Stampanoni leads the TOMCAT project at Paul Scherrer Institute (PSI), which is meanwhile considered an international benchmark for synchrotron-based tomographic microscopy with more than 150 publications. Prof. Stampanoni was appointed Head of the X-ray Tomographic Microscopy Group of the Swiss Light Source at the PSI in 2005. In 2008 he has been appointed as Assistant Professor for X-ray Microscopy at the D-ITET of ETHZ. Prof. Stampanoni’s team develops and optimizes novel X-ray microscopy imaging modalities. Since 2010 he is Director of the MAS in Medical Physics at the ETHZ. In 2012 he won the “Dalle Molle Foundation Award” for his pioneering work in X-ray phase contrast mammography.

Siemens Switzerland wishes a successful ISFRI 2013 congress.
Michael Thali, MD, EMBA, is the current Professor and Chair of the Institute of Forensic Medicine at the University of Zurich (Switzerland) and former chair of the Institute of Forensic Medicine at the University of Bern (Switzerland), is a co-founder of the Virtopsy-Project and active advocate of virtual autopsy. He was a resident in radiology at the Institute Radiology at the University of Bern (Switzerland) and completed a fellowship at the Armed Forces Institute of Pathology, Washington DC (USA). He is editor of the textbook on virtual autopsy The Virtopsy Approach (2009) and the latest edition of Brogdon's Forensic Radiology (2010). He has co-authored over 175 papers on forensic radiology and virtual autopsy. Michael Thali is the chairman of ISFRI and the contact person for issues related to forensic pathology. Current Member of the ISFRI Board: Michael Thali is the Founder Chair of the ISFRI Board. His term ends as of May 13, 2013. Michael Thali will remain in the board for one year as Past-Chair to support the future Chair during his term 2013/14.

Thomas D Ruder, MD, is a radiologist at the Institute of Forensic Medicine at the University of Zurich (Switzerland) and a clinical radiologist at the University Hospital of Bern (Switzerland). He was a doctoral student in Prof. Dirnhofer's Virtopsy team at the Institute of Forensic Medicine in Bern (Switzerland) and a resident in radiology under Prof. Vock at the Institute of Diagnostic, Interventional, and Pediatric Radiology at the University of Bern (Switzerland). He has helped to organize several Virtopsy courses and lectured on forensic MR and CT. Thomas Ruder has published numerous articles on forensic radiology, co-authored a chapter in Brogdon’s Forensic Radiology and published two volumes of poetry. Thomas Ruder is the secretary of ISFRI and coordinator of the current ISFRI Congress. Current Member of the ISFRI Board: Thomas Ruder is the secretary to the Founder Board of the ISFRI. His first term ends as of May 13, 2013. Thomas Ruder stands for elections for a second term as secretary of the ISFRI.

Robert Breitbeck, Dipl.-Ing. (FH), is a surveying engineer at the Institute of Forensic Medicine at the University of Zurich, Switzerland. He graduated from the University of Applied Sciences in Dresden (Germany) and is an expert in photogrammetry and optical 3D-surface scanning. He was a member of the Virtopsy team at the University of Bern (Switzerland). He has helped to organize several Virtopsy courses and lectured on 3D-surveying in forensic medicine. His areas of interest include computer aided 3D reconstruction, visualization and animation. Robert Breitbeck is the treasurer of ISFRI and the contact person for issues related to forensic 3D-surveying. Current Member of the ISFRI Board: Robert Breitbeck is the treasurer of the Founder Board if ISFRI. His first term ends as of May 13, 2013. Robert Breitbeck no longer stands for Board Election.
Guillaume Gorincour, MD, PhD, is a radiologist, Assistant Professor at Aix-Marseille University and Chief of the Virtual Autopsy Project in Marseille. He was a resident in Marseille and Lyon, and completed a fellowship at Sainte Justine Hospital in Montreal, Canada. He is head of the Experimental and Interventional Imaging Laboratory, focusing his research on prenatal and post-mortem imaging, especially about scuba diving accidents. He is a founding member of both the French Research Group on Virtual Autopsy and the ISFRI, and has co-authored over 80 papers and several book chapters including a recent one about postmortem imaging in sudden unexpected child death.

New candidate for the ISFRI Board: Guillaume Gorincour runs for the office of the Chair of the ISFRI Board for the coming term 2013/14.

Alexis Puhan, MD is the founder of skillbuild.inc, based in Switzerland, specialized in coaching, storytelling and facilitating since 2002. Fields of expertise include facilitating, presentation design and training as well as coaching of teams and individuals. Alexis Puhan is a very experienced MBTI® trainer and graduated from INSEAD in organizational psychology in 2007. Dr. Puhan has facilitated ThinkStoryline!© workshops, follow ups and projects for more than 100 client organizations and over 5000 participants in over 40 countries in the last 11 years. In 2008, he published the book ThinkStoryline! – For all who deal with presentations and love good stories. Among others, Alexis Puhan has acquired his expertise as a consultant at McKinsey & Company from 1998-2002. In the last 12 months, skillbuild inc has been serving more than 20 clients in Europe, the Middle East, South Africa and the US such as AXA, Roche, Novartis, Actelion, Abbott, Allianz and EULAR.

Gary M Hatch, MD is a general radiologist, assistant director of the Radiology-Pathology Center for Forensic Imaging at the University of New Mexico Office of the Medical Examiner and assistant professor in the departments of radiology and pathology at the University of New Mexico. He is a former member of the Virtopsy project at the University of Bern, Switzerland, where he helped to organize several Virtopsy courses and lectured on forensic CT and MR. Dr. Hatch has been academically active in the field of forensic radiology, publishing numerous articles, co-authoring a chapter in Brogdon’s second edition of Forensic Radiology and presenting multiple lectures at the American Academy of Forensic Science annual meeting. Gary Hatch is the contact person for issues related to forensic radiology.

Current Member of the ISFRI Board: Gary Hatch is the liaison officer to the JOFRI. This is a non-elected position, appointed by the Editor-in-Chief of JOFRI. Gary Hatch will keep his position in the ISFRI Board for the coming term 2013/14.

DodgyAtor

Mark Viner is a radiographer and fellow of Cranfield University Forensic Institute. He has been active in forensic imaging for almost 30 years and has a wide experience in the field. Mark is chief executive of the Inforce Foundation and a senior manager at St. Bartholomew’s and The Royal London Hospitals. He has worked as forensic radiography consultant in Bosnia, Kosovo, Croatia, Sierra Leone, and the Irish Republic as well as the United Kingdom. He is a Fellow and Gold Medalist of the Society & College of Radiographers and was awarded a Winston Churchill Fellowship in 2005. He is a founder member and first chair of the International Association of Forensic Radiographers and has contributed to a number of radiology chapters to forensic textbooks. He is editor of the current edition of Brogdon’s Forensic Radiology (2010). Mark Viner is vice-chairman of ISFRI and the contact person for issues related to radiography.

Current Member of the ISFRI Board: Mark Viner is the liaison officer to the IAFR. He was confirmed in this office by the IAFR. Mark Viner will keep his position in the ISFRI Board for the coming term 2013/14.

Guy N Rutty, MD, is Professor of Forensic Pathology and Chief Forensic Pathologist at the University of Leicester (UK). He has been involved in forensic radiology for more than a decade and is an advocate of using mobile CT for Disaster Victim Identification (DVI) in the UK. Prof. Rutty is an advisor to the Home Office in relation to contaminated mass fatalities. He holds the Foundation Chair in Forensic Pathology at the University of Leicester and is the founder Editor-in-Chief of the peer-reviewed Journal Forensic Science, Medicine and Pathology. He has published 200 publications, edited six textbooks and assisted with the writing of crime fictional novels. Prof. Rutty was awarded the Member of the Order of the British Empire (MBE)

New candidate for the ISFRI Board: Guy Rutty runs for the office of the Vice-Chair of the ISFRI Board for the coming term 2013/14.
**GENERAL INFORMATION**

**General Admission Fees**
The participation fee amounts to CHF 550 for registrations until 5pm (CET), March 15, 2013 and CHF 650 for registrations after this date.

**The General Admission Fee includes:**
- Access to all sessions of the 2nd ISFRI Congress 2013 (May 13-14, 2013)
- Coffee breaks and lunches on May 13-14, 2013
- Annual ISFRI Membership Fee
- Annual Subscription to the Journal of Forensic Radiology and Imaging

**Registration and Payment**
Online registration at www.isfri.org
Payments are accepted by Credit Card (Mastercard / VISA).
Swiss residents may also pay by invoice within 30 days, at the latest 10 days prior to the congress.

**Cancellation of Registration**
Cancellation fees for registered participants are CHF 50 up to April 15, 2013 and the full registration fee after this date.
Cancellations have to be made by E-mail to: isfri2013@viva-management.com or by regular mail to:
ISFRI, c/o Viva Management GmbH, Kramgasse 16, CH-3011 Bern, Switzerland.
All refunds will be processed through credit card refund or bank transfer only.

**Congress Dinner Monday Evening, May 13, 2013**
Spend a pleasant evening together with friends and colleagues at the congress dinner on Monday, May 13, 2013. Please make sure to reserve your seat at the dinner during online registration process (Fee: CHF 80, reservation mandatory). Accompanying persons are welcome to join the dinner (CHF 80 per accompanying person, reservation mandatory).

The ISFRI congress dinner is taking place at the Zunfthaus zur Meisen (Münsterhof 20, 8001 Zurich), which is in the heart of the city in close proximity to the well-known Fraumünster Cathedral.

**From Zurich Airport:**
Take a railway train to “Zürich SBB Main Station”.

**From Zurich SBB Main Station:**
Take a tram (lines 7, 11 or 13) to “Paradeplatz”. Follow the signs to „Fraumünster“. The Zunfthaus zur Meisen is located next to the Fraumünster Cathedral.

**Accommodation**
The congress organizers have reserved rooms at different hotels in Zurich for the congress attendees. Please book your accommodation during online registration as soon as possible.

**Reservation Policies**
Please note, that by registering for your hotel in Zurich you are committing yourself to a confirmed reservation. The hotel fees are directly charged together with your congress fee during online registration. In case of cancellation or any reservation changes, the same cancellation policy is applicable as for the general admission fees.

The congress organizer offers the hotel reservation as a service to its participants and can in no way be made liable for any hotel service and cancellation costs.

**Cancellation Costs Insurance**
In collaboration with the insurance company Elvia (by AGA International S.A., Paris, Wallisellen, Switzerland) the congress organizers offer a cancellation costs insurance (4% of booked congress & hotel fees, only valid for items booked through the official ISFRI Congress registration website), which covers your cancellation costs for any un-seen circumstances (according to the General Terms and Conditions of Insurance Cancellations Costs rent, courses, seminar (please visit registration page for details)).

**Congress Venue**
The congress is taking place at the Hotel Radisson Blu Zurich Airport, 8058 Zurich, Switzerland.

**Arriving by Plane:**
**From Zurich Airport:**
The hotel is situated directly across from the airport terminal.

**Arriving by Train:**
**From Zurich SBB Main Station:**
Take a railway train to “Zurich Airport”. You can access the airport railway station through a corridor connecting the hotel and Zurich Airport.

**Arriving by Car:**
Direction „Zürich Airport“. Take exit „Zurich Airport“. Follow the hotel signs to the corresponding Car Park “P1”.

**Congress Coordinator (Program & Content)**
Thomas Ruder, MD
Institute of Forensic Medicine (Zurich, Switzerland)
E-mail: congress@isfri.org

**Congress Management (Registration & Billing Office)**
Viva Management GmbH
Phone: +41 (0)31 311 74 34
Fax: +41 (0)31 311 74 37
E-mail: isfri2013@viva-management.com

**Hotline during Conference**
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**Fumédica AG**
Tel. +41 (0)36 675 91 00
Fax +41 (0)36 675 91 09
E-Mail: info@postmortem-angio.ch
Internet: www.postmortem-angio.ch

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**General Information**