

A grayscale mammogram image of a breast, showing the intricate network of ducts and lobules. The image is split vertically down the middle, with a dark teal triangle in the top right corner.

**16<sup>th</sup>**

**International  
Workshop on  
Breast Imaging**

**(IWBI 2022)**

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**22 - 25 May, 2022**

**KU LEUVEN**



**UZ  
LEUVEN**

**IWBI scientific  
committee**



# 22-25 May, 2022

# Leuven, Belgium

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This workshop focuses on the latest clinical and scientific developments in breast imaging, new opportunities in population screening modalities and quality control techniques.

**REGISTER  
NOW**

EARLY BIRD  
UNTIL

**April 1st, 2022**

# Welcome to the International Workshop on Breast Imaging 2022

In 2020 we successfully brought you IWBI as an online conference. This year we are pleased to invite you to Leuven, to meet in person for the next edition of IWBI.

By bringing together researchers, clinicians and industry representatives, we hope to inspire clinically relevant research and development in mammography, with the ultimate aim of improving patient care.

Should you have any other questions or remarks, please do not hesitate at all to contact us at [info@iwbi2022.com](mailto:info@iwbi2022.com).

Sincerely

prof. Hilde Bosmans and prof. Chantal Van Ongeval

Local Organizing Committee

## Invited speakers

Prof. Raymond Acchiavatti, University of Pennsylvania, USA  
Dr. Aldo Badano, Food and Drug Administration, USA  
Prof. John Boone, UC Davis, USA  
Dr. Magnus Dustler, Lund University, Sweden  
Prof. Sylvia Heywang-Köbrunner, München, Germany  
Prof. Despina Kontos, University of Pennsylvania, USA  
Dr. James Mainprize, Sunnybrook Toronto, Canada  
Prof. Etta Pisano, Harvard Medical School, USA  
Prof. Ehsan Samei, Duke University, USA  
Ruben van Engen, LRCB Nijmegen, The Netherlands  
Prof. Martin Yaffe, Sunnybrook Toronto, Canada  
Simon Rosenqvist, Malmö University, Sweden

## Local organizing committee

Prof. Hilde Bosmans, KU Leuven, Belgium  
Prof. Chantal Van Ongeval, KU Leuven, Belgium  
Prof. Klaus Bacher, U Gent, Belgium  
Prof. Nicholas Marshall, KU Leuven, Belgium

## Scientific committee

Dr. Sue Astley, University of Manchester, UK  
Prof. Ulrich Bick, Charité Berlin, Germany  
Prof. Hilde Bosmans, KU Leuven, Belgium  
Prof. Hiroshi Fujita, University of Gifu, Japan  
Prof. Maryellen L. Giger, University of Chicago, USA  
Prof. Nico Karssemeijer, ScreenPoint Medical, The Netherlands  
Prof. Elizabeth Krupinski, Emory University, USA  
Prof. Andrew Maidment, University of Pennsylvania, USA  
Prof. Robert Marti, University of Girona, Spain  
Prof. Etta Pisano, Harvard Medical School, USA  
Prof. Ioannis Sechopoulos, University of Nijmegen, The Netherlands  
Prof. Anders Tingberg, Lund University, Sweden  
Dr. Martin Tornai, Duke University, USA  
Prof. Martin Yaffe, Sunnybrook Toronto, Canada  
Prof. Reyer Zwiggelaar, Aberystwyth University, UK



# New

1

Submit your 'Work-in-Progress' contribution with a 1 page abstract to [hilde.bosmans@uzleuven.be](mailto:hilde.bosmans@uzleuven.be), with reference "IWBI 2022", by April 15, 2022.

Mention preference for poster or oral discussion.  
Confirmation of acceptance within 24h.

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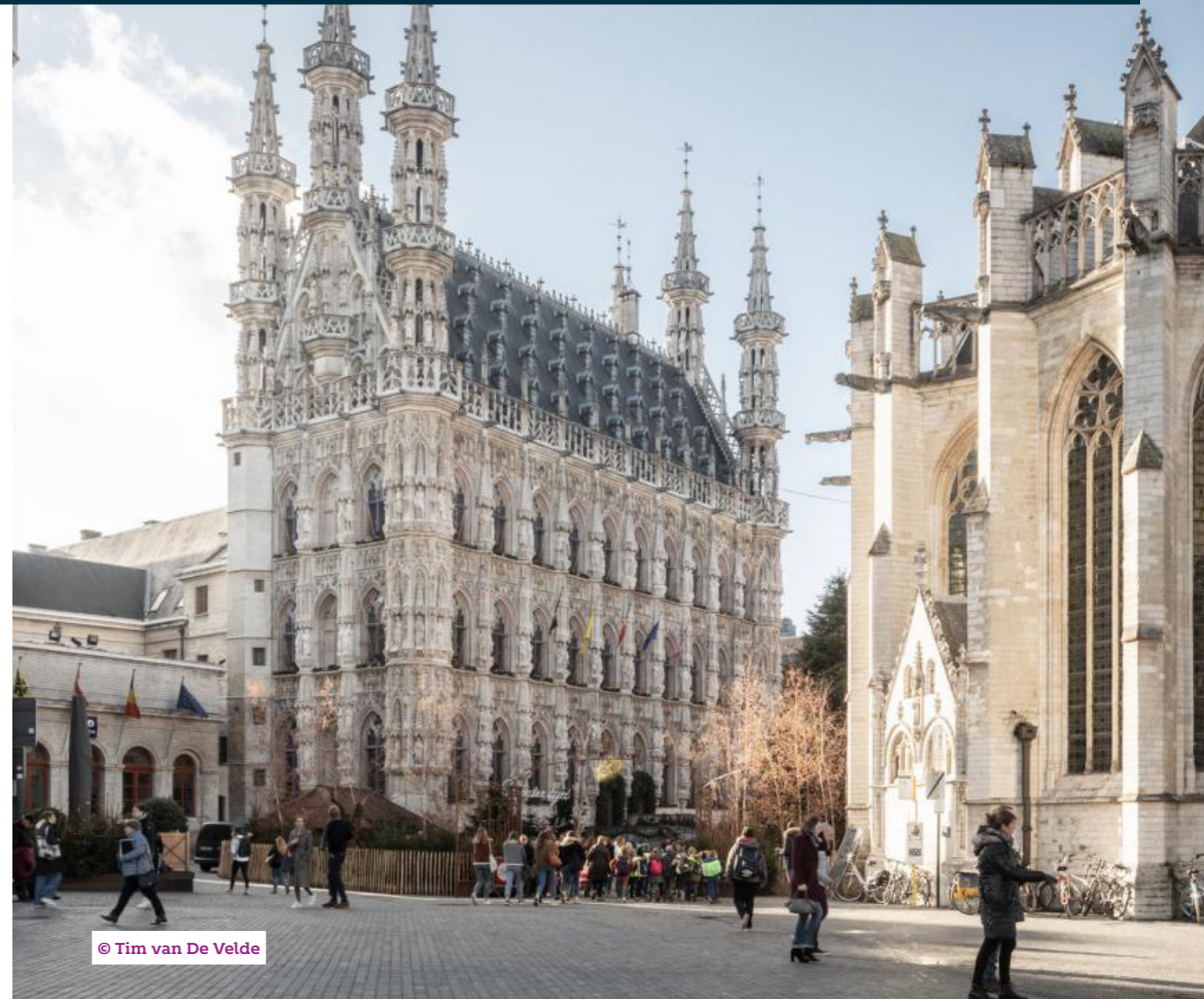
2

"Breast Imaging Innovation Awards" for extended abstract or Work-in-Progress contribution!

Selection based on innovation, abstract text and presentation by the IWBI scientific committee.

Winner: € 3000

Runner up: € 1000



## Welcome

12:00 - 13:00	Lunch
13:00 - 13:30	Hello World. International breast imaging initiatives (tentatively presented by the IAEA).
13:30 - 13:45	Virtual visit to the radiology department & medical physics team

## Virtual Clinical Trial (VCT) Workshop

### Session 1: VCT applications in breast imaging

Chair: Predrag **Bakic**, Lund University, Sweden  
& Stephen **Glick**, US Food and Drug Administration, USA

13:45 - 14:05	Raymond <b>Acciavatti</b> , University of Pennsylvania, USA	Invited lecture: VCT to optimize the technical settings of new DBT devices.
14:05 - 14:30	Aldo <b>Badano</b> , US Food and Drug Administration, USA	Update on results achieved with VCTs in breast imaging
14:30 - 14:50	Predrag <b>Bakic</b> , Lund University, Sweden	Update on expansion into other technologies
14:50 - 16:30	Selected from submitted abstracts	Scientific session
16:30 - 17:00	Coffee break	

### Session 2: VCT: the next stage

Chair: Predrag **Bakic**, Lund University, Sweden

17:00 - 17:30	Ehsan <b>Samei</b> , Duke University, USA	Invited lecture: The Center for Virtual Imaging Trials: opportunities, limitations and cooperations
17:30 - 18:00	Panel: Predrag <b>Bakic</b> , Stephen <b>Glick</b> and all speakers	Let's define a VCT Collaborative Study for 2023

18:30 - 20:00	Social activity: meet at the old town hall at 18:30, for (1) guided walk in the historical city of Leuven, (2) Walk through Leuven with a photographer, (3) Jogging (30 min)
20:00	Welcome reception with Belgian beer & snacks in the old town hall

## Breakfast Seminar offered by GE Healthcare

08:15 - 09:00 (broadcasted)	Martin <b>Yaffe</b> , Sunnybrook Research Institute, Toronto, Canada	The use of microsimulation modelling to optimize breast cancer detection and outcomes. This includes the discussion on age interval for screening, overdiagnosis and the effect of COVID
09:00 - 09:30	Breakfast and coffee	

## Session 3: New breast imaging techniques

Chair: Andrew **Maidment**, University of Pennsylvania, USA

09:30 - 10:00	John <b>Boone</b> , UC Davis, California, USA	Keynote: New breast imaging techniques
10:00 - 11:40	Selected from submitted abstracts	Scientific session
11:40 - 12:00	Coffee break	

## Session 4: Breast shape & breast positioning

Chair: Anders **Tingsberg**, University of Lund, Sweden

12:00 - 13:00	Selected from submitted abstracts	Scientific session
13:00 - 14:00	Lunch & Posters	

## Session 5: Multi modality breast imaging & MRI

Chair: Robert **Marti**, Universitat de Girona, Spain

14:00 - 14:30	Martin <b>Tournai</b> , Duke University, USA	Keynote: Multi modality breast imaging
14:30 - 16:10	Selected from submitted abstracts	Scientific session
16:10 - 16:40	Coffee break	

## Session 6: Phantoms for breast imaging

Chair: Elizabeth **Krupinski**, Emory university, USA

16:40 - 17:00	James <b>Mainprize</b> , Sunnybrook Toronto, Canada	Invited lecture: Anthropomorphic texture phantoms for mammography, tomosynthesis and contrast imaging
17:00 - 17:40	Selected from submitted abstracts	Scientific session
17:40 - 18:00	Expert: Stephen <b>Glick</b> , US Food and Drug Administration, USA. Panel: Martin <b>Yaffe</b> , Andrew <b>Maidment</b> , Nicholas <b>Marshall</b> , Hiroshi <b>Fujita</b>	The opinion of the expert. Photon counting in breast imaging.

## Breakfast Seminar offered by Siemens-Healthineers

08:15 - 08:20 (broadcasted)	Magnus <b>Dustler</b> , Lund University, Sweden	Introduction
08:20 - 09:00 (broadcasted)	Simon <b>Rosenqvist</b> , Malmö University, Sweden	When should DBT have entered screening? The ethics of introducing a new modality
09:00 - 09:30	Breakfast and coffee	

### Session 7: Artificial Intelligence in breast imaging (I)

Chair: Maryellen **Giger**, University of Chicago, USA

09:30 - 10:00	Etta <b>Pisano</b> , Harvard Medical School, Boston, USA	Keynote: Does AI show promise for breast cancer screening?
10:00 - 11:40	Selected from submitted abstracts	Scientific session
11:40 - 12:00	Coffee break	

### Session 8: Artificial intelligence in breast imaging (II)

Chair: Nico **Karssemeijer**, ScreenPoint Medical, The Netherlands

12:00 - 13:00	Selected from submitted abstracts	Scientific session
13:00 - 14:00	Lunch & Posters	

### Session 9: New, improved and future breast cancer screening (I)

Chair: Reyer **Zwiggelaar**, Aberystwyth University, UK

14:00 - 14:30	Ulrich <b>Bick</b> , Charité Berlin, Germany	Keynote: Contrast enhanced breast imaging
14:30 - 16:10	Selected from submitted abstracts	Scientific session
16:10 - 16:40	Coffee break	

### Session 10: New, improved and future breast cancer screening (II)

Chair: Sue **Astley**, University of Manchester, UK

16:40 - 17:00	Sylvia <b>Heywang-Köbrunner</b> , Reference Center Mammography Munich, Germany	The place for AI in the different imaging modalities in breast cancer screening
17:00 - 17:40	Selected from submitted abstracts	Scientific session
17:40 - 18:00	Expert: Karsten <b>Ridder</b> , MVZ Uhlenbrock, Dortmund, Germany Panel: Ulrich <b>Bick</b> , John <b>Boone</b> , Stephan <b>Glick</b> , Ioannis <b>Sechopoulos</b> , Etta <b>Pisano</b> , Chantal <b>Van Ongeval</b>	The opinion of the expert. The added value of breast CT exams

19:00 Conference dinner in the faculty club



## Breakfast Seminar offered by the Belgian Hospital Physicists Association

08:15 - 09:00 (broadcasted)	Ruben <b>van Engen</b> , LRCB Nijmegen, The Netherlands	Develop a relevant protocol for DBT
09:00 - 09:30	Breakfast and coffee	

## Session 11: Radiomics, risk and lesion detectability in breast imaging

Chair: Ioannis **Sechopoulos**, Radboud University, The Netherlands

09:30 - 10:00	Despina <b>Kontos</b> , University of Pennsylvania, USA	Facts: Radiomics, radiogenomics and the risk to develop breast cancer
10:00 - 11:20	Selected from submitted abstracts	Scientific session
11:20 - 11:40	Coffee break	

## Session 12: (Noise) Measurements in breast imaging

Chair: Nico **Karssemeijer**, ScreenPoint Medical, The Netherlands

11:40 - 13:30	Selected from submitted abstracts	Scientific session
13:30 - 14:00	Ioannis <b>Sechopoulos</b> , University of Nijmegen, The Netherlands	Breast dosimetry
14:00 - 14:10	Hilde <b>Bosmans</b> & Chantal <b>Van Ongeval</b> , KU Leuven, Belgium	Closing the IWBI Workshop Announcement of the IWBI 2024 hosts
14:10 - 14:40	Lunch	
14:40 - 17:10	EFOMP DBT Working Group	Feedback meeting on the EFOMP DBT protocol with industry

# Sponsors

**Breakfast symposium & gold sponsors:**

**Monday:** GE Healthcare,

**Tuesday:** Siemens Healthineers,

**Wednesday:** The Belgian Hospital Physicists Association

**Innovation Award:** Hologic

**Gold sponsors:** RMS Medical Devices, Tromp Medical, Benetec

**Silver sponsors:** Qaelum NV, Bracco, ScreenPoint Medical, AB-CT - Advanced Breast-CT GmbH

**Financial support:** Eizo



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