AI 4 IMAGING
COURSE

MAASTRICHT, THE NETHERLANDS
8 - 11 DECEMBER 2021

ORGANISING COMMITTEE
Philippe Lambin
Henry C. Woodruff
from Maastricht University - The D-lab

COURSE VENUE
Maastricht School of Management

COURSE SUPPORT
Mieke Akkers - M+
info@ai4imaging.org
tel. +32 486 888 888

COURSE HIGHLIGHTS

This **course on Artificial Intelligence for Imaging** is a unique opportunity to connect with a community of leading-edge practitioners in the field of Quantitative Medical Imaging.

During this **4-days immersive course** researchers and clinicians will be able to attend lectures and workshops from world-class experts in **Radiomics, Deep Learning and Synthetic Data**.

Medical imaging has been the cornerstone for the management of patients for decades, particularly in oncology. Imaging data such as CT, MRI or PET are routinely acquired for every cancer patient in the process of diagnosis, treatment planning, image-guided interventions and response assessment. The use of image analysis in a quantitative way is now considered as one of the most promising techniques to support clinical decisions. Quantitative Image Analysis looks at the phenotypic expression of genes, which results in particular imaging features or signatures able to characterize the imaged tissue and the underlying biology. By converting standard medical images into mineable data, the processes and methods of data science can be applied to them. Imaging features are distilled through machine learning into 'signatures' that function as quantitative imaging biomarkers. A major challenge for the community is the availability of data in compliance with existing and future privacy laws. Synthetic data and virtual clinical trial offer a solution to this issue and will also form a part of the methods explored in this course.

The big numbers

FACTS & FIGURES

OVERVIEW PREVIOUS EDITIONS

We have already organised 2 successful editions of the course and brought experts in the field of Big Data, Radiomics, Deep Learning and Synthetic Data together in Maastricht. This success we want to repeat for you and with you.

ATTENDEES	**SPEAKERS**	**NATIONALITIES**	**HACKATHON**
2019 -> 95	2019 -> 15	2019 -> 18	2019 -> 1
2018 -> 97	2018 -> 14	2018 -> 14	
MAX = 100			

AND INNUMERABLE & INVALUABLE AMOUNTS OF

Miles travelled   **Ideas exchanged**   **Coffee drunk**

FREQUENT TOPICS

- Artificial Intelligence
- Data mining
- Machine learning
- Radiomics
- Deep learning
- Predictive modeling

SPONSORSHIP PACKAGES

OFFERED	FULL EXPERIENCE EUR 5 300,00	BASIC EXPERIENCE EUR 3 500,00	CONTRIBUTOR EUR 750,00
LOGO AND LINK ON WEBSITE	✓	✓	✓
LOGO ON ONSITE ACKNOWLEDGEMENT	✓	✓	✓
EXHIBIT BOOTH TABLE TOP	✓	✓	
COMPANY REGISTRATIONS	MAX 3	MAX 1	
COMPANY PITCH IN PROGRAMME	✓		

A LA CARTE SPONSORSHIP OPPORTUNITIES

Sponsors get exposure related to the specific item sponsored

LANYARDS

All attendees wear their name badges on lanyards, and with this sponsorship, you deliver us the lanyards branded with your company logo.

PENS and NOTEPADS

All attendees like to receive a pen and a notepad, and with this sponsorship, you deliver us pens and notepads branded with your company logo.

USB KEYS

All attendees will use a USB key during the hands-on session, and with this sponsorship, you deliver us USB keys branded with your company logo.

PROGRAMME 2021

WEDNESDAY 8 DECEMBER 2021 - topic of the day RADIOMICS

Imaging challenges – Max Seidensticker

The current state of feature harmonization – Fanny Orlhac

Clinical relevance of Radiomics studies – Harini Veeraraghavan

Moving towards a common standard for quantitative imaging – Andrey Fedorov

MEDomics a framework for the development of AI in medicine – Olivier Morin

THURSDAY 9 DECEMBER 2021 - topic of the day DEEP LEARNING

What is the state of the art in DL – Bram van Ginneken

Explainable AI- out of the black box

DL for Automatic Segmentation – are we there yet? – Mark Gooding

Deep learning in a clinic – Andrew Maidment

FRIDAY 10 DECEMBER 2021 - topic of the day SYNTHETIC DATA

GANS et al – the solution to lack of data?

Virtual Clinical Trials – Andrew Maidment

Synthetic Data – can we trust it? – Bram van Ginneken

SATURDAY 11 DECEMBER 2021 - topic of the day PROSTPECTIVE CLINICAL TRIALS

Summary of the ongoing and concluded prospective clinical trials – Harini Veeraraghavan

Current state of the law regarding data – David Townend

IN THE AFTERNOONS WE OFFER

Hands-on workshops, a Hackathon at The D-Lab, Maastricht University, design a clinical trial sessions

CONFIRMED FACULTY

On 21 September 2021

- Philippe Lambin, Maastricht University, The Netherlands (Course Director)
- Henry Woodruff, Maastricht University, The Netherlands (Course Co-director)
- Cary Oberije, Maastricht University, The Netherlands (Organiser)
- Andrey Fedorov, Harvard Medical School, USA
- Mark Gooding, Mirada Medical, USA
- Andrew Maidment, University of Pennsylvania School of Medicine, USA
- Fanny Orlhac, Laboratoire d'Imagerie Translationnelle en Oncologie (LITO), France
- Max Seidensticker, Klinikum der Universität München, Germany
- David Townend, Maastricht University, The Netherlands
- Bram van Ginneken, Radboud UMC, The Netherlands
- Harini Veeraraghavan, Memorial Sloan Kettering Cancer Center, USA

The teaching faculty is being updated, check the website regularly

APPLICATION FORM

Please complete and return to: **Mieke Akkers – info@ai4imaging.org**

General information

COMPANY: _____

DEPARTMENT: _____

CONTACT PERSON: _____

ADDRESS: _____

_____

POSTAL / ZIP CODE:	CITY:
STATE:	COUNTRY:
EMAIL:	TELEPHONE:
VAT NUMBER:	PO NUMBER:

Our company signs up for sponsorship as:

☐ FULL EXHIBITION EXPERIENCE[1]   5 300,00 EUR

☐ BASIC EXHIBITION EXPERIENCE[2]   3 500,00 EUR

☐ CONTRIBUTOR   750,00 EUR

Our company will offer on first-come, first-served basis:

☐ branded pens   ☐ branded notepads   ☐ branded lanyards   ☐ USB keys

Name and e-mail of the company delegate(s) [1][2]:

1. _____

2. _____

3. _____

(1) Registration for 3 company delegates included in this package
(2) 1 company delegate included, extra company delegates attending the course have to be fully registered at 850,00 EUR (excl. VAT).

Confirmation and invoicing:

- On receipt of your completed form we will send you a confirmation and an invoice for the total amount (incl. 21% VAT)
- This booking is legally binding on the exhibitor pending its acceptance in writing by the organiser
- Please note that your sponsor agreement will only be considered final upon receipt of your payment
- By signing this form, I declare that I have read and accepted the rules and regulations
- Kindly indicate here whether you allow us to keep and use your personal data for future mailings on our activities.
  ☐ YES ☐ NO, I only want to receive information about this course

SIGNATURE:	DATE:
NAME:	FUNCTION:

Application

Sponsorship can be booked by completing and returning the enclosed Sponsorship Application Form to the attention of Mieke Akkers at M+, the AI4I Course Secretariat. Applications will be considered on a first-come, first-served basis. In signing the application form, companies declare their acceptance of the rules and regulations.

Conditions

- Because only a limited number of booth spaces are available, the Local Organising Committee will assign booth space on a 'first come, first served' basis.
- A technical manual with detailed information on exact build-up and dismantling times, will be sent to all exhibitors in October 2021.
- Company delegates staffing the booth should register to attend the course. This way they have access to the complete educational programme. 3 registrations are included in the full exhibition experience package. 1 registration are included in the basic exhibition experience package.

Terms of payment

- EURO is the only currency accepted for payments.
- Payment in full for the sponsorship is due no later than 30 days after the date of the invoice. In any case the invoice must be paid before the start of the course.

Cancellation policy

Cancellation of sponsorship must be submitted the organisers in writing. The effective date of cancellation or reduction of sponsorship will be the date on which the organisers receive the written notice:

- Cancellation of sponsoring agreement before 1 September 2021: 25 % of the full sponsor costs will be retained.
- Cancellation after 1 September 2021 and before 1 October 2021: 50% of the full sponsor costs will be retained.
- Cancellation after 1 October 2021: no refunds will be made.

Protecting your privacy

We are committed to your data privacy and protection. If you apply to our course as a sponsor you allow us to keep your data in order to contact you with further practical details on this course and to send you the invoice for this course. Your data will only be stored till one month after the course. Unless you gave us the explicit approval to use your data for future courses.

THANK
YOU

We are able to run this course with the support of sponsors that share the same goals to inspire our participants, to share knowledge and to create a divers and insightful event.
Together will bring this course to fruition.

STAY IN CONTACT

info@ai4imaging.org

https://www.ai4imaging.org

AI4imaging Alumni - Maastricht

@bigdata_4imag