26th AEIMS Congress
DRAWN TO SCIENCE
the stories we tell
17 – 18 March 2017
Maastricht, Netherlands

UPDATED PROGRAM (updated March 3rd)

FRIDAY 17 MARCH 2017 • LOCATION: HOTEL MANAGEMENT SCHOOL MAASTRICHT

9.30    Registration with coffee and tea
10.00   Welcome by the program director of the Master Scientific Illustration, Rogier Trompert
10.05   Opening by the Chairman of AEIMS, Ms Pascale Pollier
10.15   William Andrews - ‘Jan van Rynsdyk’
10.45   Esmée Winkel - ‘Working with Botanists’
11.15   Coffee break
11.30   Lorrian Daston ‘Objectivity’
12.30   Lunch
13.30   School presentation MSI graduates
        - Graduation project Stephanie Philippaerts - *Repair in Hyperplastic Left Heart Syndrome*
        - Graduation project Maarten de Jong - *Anaplastology, conventional and digital production techniques*
14.00   Introduction lecture for TEFAF
14.30   Bus departure for TEFAF
20.00   Annual Dinner

SATURDAY 18 MARCH 2017 • LOCATION: MAASTRICHT ACADEMY OF FINE ARTS AND DESIGN

9.00    Registration with coffee and tea
         General assembly AEIMS members
9.30    MiaMed [Alumni MSI] - *Workflow in a medical illustrators team*
10.00   MSI alumni Jessica M. Koren – *Freelancing in Scientific Illustration*
10.20   School presentations
        - University of Dundee - Centre for Anatomy and Human Identification, Cristina Sala Ripoll, MSc
        - Faculty of Science and Technology. University of the Basque Country, Vega Asensio Herrero
10.50   Coffee break
        - Atelier de Didactique visuelle
        - Zürich University of the Arts - Area Knowledge Visualization
11.30   Frédéric Ruys – *data visualization ‘Onzichtbaar Nederland’ (invisible Netherlands)*
12.00   Group photo
12.30   Lunch
13.00   Discussion forum
14.00   Anne Schulp, Paleonthologist – Naturalis - *T-rex TRIX*
15.00   Coffee break
15.30   Pancras Dijk - National Geographic
16.00   Erik van Ommeren – *The art of making Bird Art*
17.00   Opening AEIMS exhibition and *Giliola Gamberini Award* exhibition + Drinks and bites
17.00   Silent auction
18.00   Awards and closing of the congress
FRIDAY 17 MARCH 2017 • LOCATION: HOTEL MANAGEMENT SCHOOL MAASTRICHT

10:15
William M. Andrews, MA, CMI, FAMI
Professor & Gallery Director
Dept. of Medical Illustration
Augusta University

Bill Andrews has been using Corel Painter to create award-winning illustrations since the mid 1990s. Bill is a professor of Medical Illustration at Augusta University. He received his BA in Art from the University of Texas at Austin and his MA in Biomedical Communications from the University of Texas Southwestern Medical Center at Dallas. He is currently pursuing a PhD in Health Promotion, Education and Behavior at the University of South Carolina. He is a Certified Medical Illustrator and a Fellow of the Association of Medical Illustrators. Bill is a Past President of the AMI, and the founding President of the Vesalius Trust. Bill has received dozens of professional awards for his illustration work and has had numerous pieces included in juried exhibits, and in public and private collections around the world.

Lecture: Jan van Rymsdyk
This fascinating presentation is about the life and works of Jan van Rymsdyk, the artist best known for illustrating William Hunter’s “The Gravid Uterus.” For all the notoriety of this magnificent atlas, Rymsdyk was so miserably poor that he was glad to wear the cast off clothes of Mr. Wm. Baratt, surgeon. Rymsdyk also illustrated books by William Smellie, Charles Jenty and Thomas Denman. Thus, in a career spanning 40 years, this one artist illustrated the seminal works that became the foundation for modern obstetrics. Denman said of him, “There is so much truth and elegance in the drawings executed by Mr. Rymsdyk they may be considered as patterns for all future artists.”

10.45
Esmée Winkel, MA
Scientific Illustrator at Naturalis Biodiversity Center

Esmée Winkel works as a scientific illustrator and botanical artist for Naturalis Biodiversity Center. She received her BSc degree Biology at the Leiden University and the Master Scientific Illustration at the Maastricht Academy of Fine Arts and Design and Maastricht University. She is a member of the Dutch Society of Botanical Artists, the American Society of Botanical Artists and a Fellow of the Linnean Society of London. Her work has been awarded Gold Medals at Biscot Edinburgh 2012, Royal Horticultural Society of London 2013, 2016, the Jill Smythies oeuvre award by the Linnean Society of London and recently she has been presented with the ASBA Botanical Illustrator Award for Excellence in Scientific Botanical Art. Her artwork is included in the permanent collection of the Naturalis Biodiversity Center, Hunt Institute for Botanical Documentation, New York State Museum, Royal Horticultural Society Lindley Library and in private (Royal) collections.

Lecture: Working with Botanists
In my presentation, I will give a short account of my path to becoming a Scientific Illustrator and my tasks as an Botanical Illustrator for Naturalis Biodiversity Center, the Dutch Research Institute and Natural History Museum.
It is important to know why today Scientists still need and use illustrations for their publications and how an illustrator can sometimes contribute to science. I will explain my working method, from discussing with the scientist the species in question to finally publishing the illustrations. Scientific Illustrations will be needed in the future as much as they are used today. Estimates are that about 8 million species of plants, animals and fungi live on Earth. Up until now only about 1 million species have been described and named by science. About 85% of the Natural world is still waiting to be discovered and illustrated!
11:30
Professor Lorraine Daston, Ph.D.
Director, Max Planck Institute for the History of Science, Berlin

Lorraine Daston studied at Harvard and Cambridge Universities and was awarded her Ph.D. in the History of Science from Harvard University in 1979. She has taught at Harvard, Princeton, Brandeis, Göttingen, and Chicago and since 1995 has been Director at the Max Planck Institute for the History of Science in Berlin. She is also a regular Visiting Professor in the Committee on Social Thought at the University of Chicago and Permanent Fellow at the Wissenschaftskolleg zu Berlin. Her work spans a broad range of topics in the early modern and modern history of science, including probability and statistics, wonders and the order of nature, scientific images, objectivity and other epistemic virtues, quantification, observation, algorithms, and the moral authority of nature. 

Lecture: Objectivity
Epistemic virtues such as truth-to-nature, precision, and objectivity leave their traces in many scientific practices, including that of scientific image-making. Because these epistemic virtues sometimes conflict, choices must be made between rival instruments, techniques, and images. These conflicts leave traces in the images themselves. Looking for the visual signatures of epistemic virtues teaches us what is distinctive about epistemic images, which must be seen with the eye of the mind as well as that of the body.

13:30
Stephanie Philippaerts, MA
(Self-employed) Medical illustrator

I am 26 years old and living in Belgium. After I got my bachelor’s degree in Arts, I started the master Scientific Illustration in Maastricht in 2012 as I wanted to go into another direction. One year before my graduation (in 2015) I started my own business as a medical illustrator. Throughout the study and the first few years of my professional work, I specialized in cardiac surgery and congenital heart disease (as this was, and still is, my main interest). Nevertheless, I’ve engaged in many other projects with different hospitals in the past 2 years mainly regarding abdominal and orthopaedic surgery.

Lecture: Univentricular or biventricular repair in hypoplastic left heart syndrome
Hypoplastic left heart syndrome (HLHS) is a rare congenital heart disease in which the left side of the heart is underdeveloped. Without treatment within the first few days after birth, chances of survival are almost non-existent. Until recently, a univentricular repair remained the only treatment option for children with HLHS. However it consists of a sequence of invasive surgical interventions with its associated risks in a neonate. Doctors recently adopted an alternative and less invasive approach as a bridge to univentricular or biventricular repair, and thereby reducing the risks in an unstable neonate. Doctors of the UZ Leuven still needed a good overview of the spectrum of HLHS and the current treatment strategies, mainly to train other specialists and future doctors. Due to the complexity and rare appearance of this congenital heart condition, and the lack of good reference material, this master thesis project came with a lot of challenges.
13.45
Maarten de Jong, MA
Anaplastologist

Maarten de Jong recently graduated from our master program. During his study he specialized in anaplastology and related medical and artistic fields. Simultaneously he works at the Centre for Craniofacial Epithetics where he works as an anaplastologist. The past 8 years he has been combining work and study to achieve the highest level of professionalism within his field.

Lecture: Anaplastology a study comparing conventional and digital production techniques:
I will present my graduation thesis. In this thesis I make a comparison between different production techniques of facial prosthetics. I will explore and compare digital production possibilities with the conventional production protocol which is still the most well known way of fabricating facial prosthetics.

14.30
Departure to the TEFAF
TEFAF 2017 THE WORLD’S GREATEST ART AND ANTIQUES FAIR
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9.30
Esther Gollan, MA
Alex Vent, MA
Manon Zuurmond, MA
Afonso Borges

Scientific Illustrators, graduated in Maastricht - all I working 50% self-employed and 50% for a company, called MIAMED, where they work in a team of 6 scientific illustrators.

Lecture: MIAMED
Our presentation will be about our unique working situation at MIAMED. We are working in a team of six illustrators and have developed a good method to work together. We will introduce the learning program of MIAMED which is used by 98% of all German medical students and describe the use of our illustrations within it. The situation in which we create, with a huge team of medical experts as editors and our expertise on scientific illustration on the other side can be a good example of a modern working environment with a lot of advantages.

10.00
Jessica M. Koren, MA
Medical Illustrator

Jessica is an independent medical illustrator with 13 years of professional design and artistic experience, a Master of Scientific Illustration, and a passion for education.

Lecture: Freelancing, tips & tricks
During my master’s study, I found that other students were curious to learn any tips or tricks I have acquired during my 13 years as a freelancer. I intend to explain a range of information I have learned via mentorship, books and old-fashioned trial & error. Some categories I intend to explore are: the “peaks and valleys” of freelancing, meeting clients when starting cold, negotiating, invoicing/money, pipeline/file structure, work ethic, mistakes I’ve made, the ego and “postulating.” Although the tips I have learned have come to me through freelancing, I believe they can carry over to any other method of working.
School presentations

10.20
Cristina Sala Ripoll, MSc
University of Dundee

Science and medicine have countless exciting and complex stories to tell. As medical artists, we are visual translators of these stories, which have the potential to inspire and inform our audience if they are told in the right way. In the MSc Medical Art at the University of Dundee, we learn how to effectively combine scientific knowledge and creativity to communicate key messages in a beautiful and engaging way. This unique program provides us with a wide range of techniques to produce top-quality content for a broad variety of applications, from science divulgation to medical teaching and training.

10.40
Vega Asensio Herrero, MA
Faculty of Science and Technology, University of the Basque Country

Although the scientific illustration is a tool of great use in the scientific communication and a strong training is compulsory to produced good professionals in this area, currently, there is no academic education in Spain in the field. Therefore, the spanish scientific illustrators must be trained abroad or be autodidact. In order to offset this lack the Faculty of Science and Technology of the Basque Country University presents the first spanish postgraduate in this discipline for the 2017/2018 academic year. This postgraduate will be a course of 40 ECTS credits, with face-to-face classes and with a training period. The postgraduate will be taught at five different faculties and one science museum. The teacher team is formed by 10 scientists, 7 scientific illustrators, 4 artists, 2 infographists, 1 lawyer, 1 museologist and 1 sociologist. All of them are highly qualified, recognized and some of them awarded in their areas of expertise. By the present postgraduate we aim to train professional scientific illustrators, but also we want to bring to light the value of this discipline among the scientific, academic and healthcare professional of the Spanish country.

11.05
Jeanne Leclercq and Ninon Pesenti, 3th years students
L’atelier de Didactique visuelle de la Haute école des arts du Rhin, l’Université de Strasbourg

Two students will present a short film about their program.

11.15
Niklaus Heeb
Zurich University of the Arts (ZHdK)

At Zurich University of the Arts, the field of study of scientific illustration is called “Knowledge Visualization”. We believe that images not only are able to provoke understanding, but also to generate knowledge by expanding, combining and connecting data in a very effective way. Our Bachelor’s programme “Scientific Visualization” covers conceptual as well as design and artistic aspects, and includes the use of both analogue and digital media. In close cooperation with scientific research, students in the Master’s programme “Discovery Visualization” develop individual projects that investigate the use of drawing, image and 3D visualization for knowledge transfer. Visualization forms, design methods and concepts of knowledge transfer are researched and further developed within the interdisciplinary context of the Master of Arts in Design course. Our research group focuses on design and knowledge transfer in the area of 3D visualization, and on the development of interactive didactic 3D models with the aim of gaining new insights and developing innovative tools for the transfer of knowledge.
11:30
Frédérik Ruys
Information Designer

Helps media organizations, research institutes, non-profit communities, assessment agencies and inspection departments to clarify complex issues, using datavisualisations and animations. Has no scientific background. Just loves to tell stories.

Lecture: Invisible Netherlands
The tv-series Invisible Netherlands is a tv-documentary that ran on public television (2016-2017). Presented as a visual journey through time, it revealed historical changes from below and above the ground - using multi-dimensional data from all kind of sources. Frédérik shows how they worked on the data and reveals the problems and challenges they encountered while visualizing the stories.

14:00
Dr. Anne S. Schulp, Ph.D.
Vertebrate palaeontologist at Naturalis, Leiden

Dr. Anne S. Schulp (1974) is a vertebrate palaeontologist. He is a researcher at Naturalis, the dutch national museum of natural history in Leiden, and guest researcher at the Vrije Universiteit Amsterdam. His research mainly focuses on dinosaurs and other Mesozoic reptiles.

He is currently involved in the content development of the new dinosaur gallery at Naturalis. For this gallery, the museum excavated a well-preserved, and unusually complete Tyrannosaurus rex skeleton in Montana, USA. But how does this skeleton relate to the image of this big, carnivorous dinosaur we all have through popular media, including toy industry, childrens’ books, and -if not to mention- Jurassic Park?

Lecture: T-rex
In his talk, Schulp will take you to the badlands of Montana, to the workshop where the bones were prepared and mounted, and to the lab, where he and his colleagues try to learn everything about life, appearance and behaviour of this extinct giant.
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15:30
Pancras Dijk
Senior National Geographic writer and spokesman

As a senior writer and editor at National Geographic Magazine, Pancras Dijk (St. Pancras, 1973) has been traveling the world for years. After his graduation in Dutch literary studies at the Vrije Universiteit (Amsterdam), Pancras started his professional career at the Associated Press office in Amsterdam, where he worked as an editor and news reporter.

Lecture: National Geographic
For most, National Geographic has become synonymous for high quality photography, showing ‘the world and all that’s in it’, as it was stated by its founders, 130 years ago. Not many people will realise that the magazine has been publishing scientific illustrations and graphics even before it started publishing pictures. Pancras will share some of the more interesting graphics.

16:00
Erik van Ommen
Artist

Erik van Ommen is graduated in 1983 at the Academy of fine arts in Groningen. He is inspired by nature and birds in particularly. He published 22 books and worked for several nature organisations. In 2015 he designed the logo for the Dutch National bird and in 2016 he painted the price winning stamps of the island Griend. He has his own studio and gallery in a old vicary in the north of Holland. Erik makes oil-paintings, watercolors, etchings, sumi-e, woodcuts, linocuts, drawings and video’s. Working in the field is very important for his work.

See more at: www.erikvanommen.nl

Lecture: Drawing birds
Why is drawing birds in the field so important? How does it work and how can the artist translate his sketches into studiowork. As an experienced fieldworker Erik travelled all over the world to find and draw birds. Once at home he uses his sketches to make woodcuts, oils, watercolors and etching.

In this presentation Erik will demonstrate how he works by giving examples and showing several short video’s of the “making of”. He will show recent examples of his latest and upcoming book and more about his drawingtrips to Africa. Erik will talk about the complete proces of making stamps (sketching, painting, designing and printing) and how he is using 24-karaat leafgold in his latest oils. Above all, this will be a talk about the passion of an inspired wildlife artist.