THE ART OF 3D STEREO MEDIA

VENUE:
SCHOOL OF ART DESIGN & MEDIA (NTU)

Presents

AN INTERNATIONAL SYMPOSIUM – WORKSHOP

2015

22nd LECTURES
23rd WORKSHOP
24th WORKSHOP

APRIL

04/2015

PRESENTED BY
**THE ART OF 3D STEREO MEDIA**

**AN INTERNATIONAL SYMPOSIUM & WORKSHOP**

**2015 APRIL**

**DAY 1**

**VENUE : ADM**

3D STEREO THEATER 2ND FLOOR

**TIME**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>09:00 - 09:30</td>
<td>Registration</td>
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<tr>
<td>09:30 - 10:00</td>
<td>Tea &amp; Coffee</td>
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<tr>
<td>10:00 - 10:10</td>
<td>Welcome by Dean Alan Chan</td>
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<td>10:10 - 10:20</td>
<td>Welcome by Prof. KK Luke</td>
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<tr>
<td>10:25 - 10:45</td>
<td>Keynote Sorensen Vibeke, Professor and Chair, School of Art, Design and Media, NTU</td>
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<td></td>
<td>Title: 3 Dimensions: A historical overview of stereographic and spatial art</td>
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<td>10:50 - 11:10</td>
<td>Keynote Kathleen Schroeter, Executive Manager “3D Innovation Center”, Fraunhofer</td>
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<td></td>
<td>Title: Tomorrow is now – the World of Immersive Imagine Technologies</td>
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<td>11:15 - 11:35</td>
<td>Keynote Paul Bourke, Director iVEC at The University of Western Australia</td>
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<td></td>
<td>Title: Enhancing research with new and emerging presentation technologies – A practical investigation</td>
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<tr>
<td>11:40 - 12:00</td>
<td>Keynote Joséphine Derobe Cross Channel Film Lab France</td>
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<td>Title: Exploration and use of 3D as a creative and sensory medium / France</td>
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<tr>
<td>12:00 - 12:20</td>
<td>Lunch - networking</td>
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<td>12:25 - 12:45</td>
<td>Keynote Alexei Sourin, Associate Professor, School of Computer Engineering, NTU</td>
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<td>Title: Tangible Images</td>
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<td>13:00 - 13:20</td>
<td>Keynote Sönke Kirchof, CEO ”real life film international”</td>
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<td>Title: ‘Hybrid 3D’ - the future for producing 3D?</td>
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<td>13:25 - 13:45</td>
<td>Keynote Yulu Wang, Member China Television Artists Association / CTAA 3D Council, China</td>
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<td>Title: 3D’s internationalization (from China to the world)</td>
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<td>13:50 - 14:10</td>
<td>Ben Shedd, Professor, School of Art, Design and Media</td>
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<td>Title: Behind the Scenes making IMAX and OMNIMAX films.</td>
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<td>14:30 - 14:50</td>
<td>Lunch - networking</td>
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<tr>
<td>15:00 - 15:20</td>
<td>Keynote Jason Maroohynaden, Deputy Director, Head of Tech. (Medical Education &amp; Innovation in Simulation, LKC Medicine)</td>
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<td>Title: Augmented Reality as a Tool to Deliver e-Learning based Blended Content in and out of the class-room</td>
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<td>15:25 - 15:45</td>
<td>Mark Chavez, Asst Prof, School of Art, Design and Media</td>
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<td>Title: A Proposed Design Structure for Interactive Learning Experiences</td>
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<td>15:50 - 16:10</td>
<td>Ei-Leen Tan</td>
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<td>Title: Digital Planetarium – a new experience at Science Centre Singapore</td>
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<td>16:25 - 16:45</td>
<td>Benjamin Seide, Assoc Prof, School of Art, Design and Media</td>
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<td>Title: The Making of Hugo</td>
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### DAY 2: THURSDAY 23RD APRIL

**TIME** | **EVENT** | **VENUE**
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09:00 - 09:30 | Registration | ART 1-17 SOUND SUITE 1
09:30 - 10:00 | Tea & Coffee | 
10:00 - 11:00 | Joséphine Derobe: Exploration and use of 3D as a creative and sensory medium II | 
11:00 - 11:30 | Demo 1 | Laurent Fabry, Director Asia Pacific, Alioscopy
Title: 3D Experience - Alioscopy Singapore | 
11:30 - 12:00 | Demo 2 | Philip Anthony Surman (Dr) Researcher, LUMINOUS! NTU EEE
Title: Glasses-free 3D Display development in the Advanced Displays Laboratory Jin Siew Lim, Program Manager 3D Displays NRF CRP Luminous! Centre of LUMINOUS! NTU Advanced Displays Laboratory School of Electrical and Electronic Engineering, Nanyang Technological University, Head tracked 3D Window. | 
12:00 - 01:00 | Lunch - networking | 
01:00 - 03:00 | Joséphine Derobe: 3D cinematographic grammar and example of research and experimentation in creative 3D (Mise-en-scène, scenography, rhythm, editing, staging the frame) SBS experts and CCFL video experiments of 4 directors | 
03:00 - 03:30 | Coffee Break | 
03:30 - 05:00 | Sönke Kirchof, Workshop on using the STAN [Stereoscopic Analyzer] Software | 
05:00 - 06:00 | Q&A | 
05:00 | End of Day 2 | 

### DAY 3: FRIDAY 24TH APRIL

**TIME** | **EVENT** | **VENUE**
---|---|---
09:00 - 09:30 | Registration Workshop | ART 1-17 SOUND SUITE 1
09:30 - 10:00 | Tea & Coffee | 
10:00 - 12:00 | Joséphine Derobe: “First Steps Using Live 3D” Creative field of 3D (explaining first notions for stereoscopy on screen with the material, show why we need a mirror rig) | 
12:00 - 01:00 | Lunch - networking | 
01:00 - 02:00 | Guests Visit to Institute for Media Innovation Immersive Room | 
02:00 - 02:30 | Exercise (aim in experimenting with the notion of “presence” and the way to play | 
02:30 - 03:00 | Coffee Break | 
03:00 - 05:00 | Exercise Continues | 
05:00 | End of Day 3 |
INTERNATIONAL KEYNOTE SPEAKERS

Joséphine Derobe  
Lead Stereographer, consultant Cross Channel Film Lab France
Joséphine Derobe works on 3D projects as director of stereoscopy, stereographer and 3D consulting for cinema, video art and tv broadcast. She conducts lectures and workshops for 3D international events and at universities. Currently, she works as a director of stereography with “New Road Movies” and award winning German director Wim Wenders on upcoming 3D architectural series, 6X26min for TV and cinema.

Paul Bourke  
Director of the iVEC facility at The University of Western Australia
Paul Bourke is the director of the iVEC facility at The University of Western Australia. As a visualisation researcher at UWA, Paul has worked in organisations where he concentrated on architectural, brain/medical, and astronomy visualisation. Of particular interest is the application of novel and emerging data capture and display technologies - such as those that leverage the capabilities of the human visual system.

Sönke Kirchof  
CEO “reallifefilm international”
Sönke Kirchof is founder and CEO of “reallifefilm international GmbH”, established in 2006, based in Berlin and Hamburg, Germany. He works as a producer, stereographer and consultant for international projects. Kirchof and his company are highly specialized in immersive filmmaking from project development to distribution- from stereoscopic 3D and VR content creation to 360° projection deliveries.

Ludger Pfanz  
Head of BEYOND Festival HfG/ZKM, Center for Art and Media ZKM Karlsruhe
Ludger Pfanz is a director and producer, known for his internationally acclaimed works „Greenpeace vs Shell“, „Der Schwarzarbeiter“, and „Las Américas“. He is head and founder of “Expanded Cinema 3Digital Laboratory”, the “3D Alliance Karlsruhe”, the international festival “BEYOND”, the international academic “3D Consortium” and the international symposium “Future Cinema-Future TV: 3D and BEYOND”.

Kathleen Schröter  
Executive Management 3IT & CINIQ-Center Fraunhofer Heinrich Hertz Institute
Since 2007 Kathleen Schroeter has worked for the Fraunhofer Gesellschaft Institute, known for it’s work on 3D technology development. She was head of the jury for the short film and documentary film competition at the BEYOND Film Festival 2013 and the host for BEYONDs first day of Symposium 2014. She is member of the EUNEMA Committee of the International 3D & Advanced Imaging Society.
Yang Jianyu  
Associate Professor in Soochow University, Post-Doctorial Research Fellow in NTU

Jianyu is currently an Associate Professor in the Department of Signal and Control Engineering, Soochow University, China. He is also a Postdoctoral Research Fellow in the School of Electrical and Electronic Engineering, Nanyang Technological University. His current research interests include computer vision, pattern recognition and human-computer interaction.

http://www.luminous.eee.ntu.edu.sg

Jin Siew Lim  
Program Manager 3D Displays NRF CRP Luminous! Centre of LUMINOUS!

Graduated from the School of EEE in 1999, and a MSc in Logistics from the School of MAE in 2005, Jianyu is actively bridging 3D applications with emerging 3D autostereoscopic displays, to bring about an evolution in today’s 3D viewing experience. He led the setup of the Advanced Displays Laboratory in the School of EEE (as part of NRF CRP Program “Towards the Reality of 3D Imaging and Display” awarded in Oct 2013).

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http://www.luminous.eee.ntu.edu.sg

Dr Jason Maroothynaden PhD, MSc, BEng (Hons), DIC, ARSM

Deputy Director, Head of Technology in Medical Education and Innovation in Simulation, LKC Medicine.

Currently Deputy Director, Head of Technology in Medical Education and Innovation in Simulation, LKC Medicine (LKC). A core Team Based Learning facilitator and trainer consultant. He has joined the European Space Agency (ESA) working on the International Space Station (ISS) and Shuttle programs. Post ESA, trained as an educationalist.

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http://www.lkcmedicine.ntu.edu.sg

Alexei Sourin  
Associate Professor, School of Computer Engineering, NTU

Dr. Alexei Sourin is a tenured Associate Professor with the School of Computer Engineering at NTU. He holds a concurrent appointment of the Deputy Director of Fraunhofer IDM@NTU--The Fraunhofer Project Centre for Interactive Digital Media at NTU. His research interests are in function-based shape modeling, shared virtual environments, haptic interaction, web visualization, and virtual surgery.

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http://www.ntu.edu.sg/home/assourin

Philip Anthony Surman  
School of Electrical and Electronic Engineering, NTU

Researcher, Advanced Displays Laboratory, LUMINOUS! Centre of Excellence for Semiconductor Lighting & Displays.

Dr Surman received his PhD from De Montfort University and has worked on the European Union-funded ATTEST and 3D Network of Excellence projects. He is presently the technical manager of the newly awarded CRP project ‘Towards the Reality of 3D Imaging and Display’ funded by the National Research Foundation (NRF).

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Yulu Wang  
International relationship dept, director, China Television Artist Association 3D Council

Yulu Wang graduated from the Central Drama Academy in Peking Film and Television Production Management Department, and then studied in Germany. He has worked for CCTV. Since 2012, he has been with the 3D council of the China Television Artists Association. He explores and develops international cooperation in 3D between the Chinese industry and the rest of the world.

Yulu.wang@ctaa3d.com  
www.ctaa.org.cn
Mark Chavez  Assistant Professor, School of Art, Design and Media, NTU

Mark Chavez has worked in the animation industry for more than 30 years in many capacities, as a director, game art lead, technical director, and visual effects artist. He has worked on numerous Academy Award winning projects at major film studios (DreamWorks Animation and R&H Studios), and innovative interactive media projects. In the game industry, he established the first and best pipeline for motion capture.

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http://www.markchavez.guru/

Ina Conradi Chavez  Associate Professor, School of Art, Design and Media, NTU

Ina Conradi is an award-winning new media artist. Referring to animated films as "unframed paintings", Ina's works innovatively combine digital animation and stereo to fit diverse media spaces. Her films have been screened internationally at the 3D Stereo Media Festival, 3D Beyond Festival ZKM, Ars Electronica Festival, Siggraph Asia, Brooklyn Film Festival, Anima Mundi, Dimension 3 Festival, amongst others.

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www.inaconradi.com

Biju Dhanapalan  Associate Professor, School of Art, Design and Media, NTU

Currently Biju is Associate Professor at Art Design and Media (ADM) Singapore. He is one of India’s leading visual effects directors, working in feature films, commercials, art installations and new media. He has designed and supervised animation and visual effects for over a hundred feature films, which has earned several nominations and awards. Biju has also been involved in stereoscopic projects across varied media.

biju@ntu.edu.sg

Lucas Jodogne  Senior Lecturer School of Art, Design and Media, NTU

An award winning cinematographer and art photographer, Jodogne has shown his work all over the world in galleries and museums. Over the course of 25 years, he has shot more than 160 films including commercials, corporate videos, art movies, short feature fiction films, and several long feature fiction films as a director of Photography. His films were represented in leading film festivals and many have received top awards.

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www.lucasjodogne.net/

Peer M. Sathikh  Acting Associate Chair (Academic) School of Art, Design and Media, NTU

Peer Sathikh is presently Assistant Professor at the ADM. He obtained a Master of Design in industrial design from the Royal College of Art, London and a Master of Design in product design from Industrial Design Centre, Indian Institute of Technology, Mumbai. Peer has won several awards as design consultant at Inovasia, such as the Good Design Award 2004 from the Chicago Athenæum, USA and the Singapore Design Award.

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Elke Reinhuber  Assistant Professor, School of Art, Design and Media, NTU

Reinhuber teaches and researches as an assistant professor at Nanyang University. In her current artistic research, Reinhuber investigates on the correlation between decisions and emotions and explores different strategies of visualisation and presentation, working with immersive environments, augmented reality and imaging technologies.

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http://www.eer.de/
Ben Shedd
Professor, School of Art, Design and Media, NTU

Ben Shedd, Professor Digital Filmmaking at the School of Art, Design and Media, Nanyang Technological University, is an Academy Award winning documentary filmmaker. In parallel with his university teaching, he has produced and directed 33 films and videos, including three OMNIMAX giant screen dome films. Ben Shedd continues his EXPLODING THE FRAME research to develop a cinematic language for immersive spaces.

Benjamin Seide
Associate Professor, School of Art, Design and Media, NTU

Benjamin Seide is dedicated to VFX and animation with over 15 years of professional experience in planning, supervision and realization of digital effects for commercials, music videos, broadcast design and feature films. As a VFX Supervisor and Creative Director, he designed immersing effects. Recently he finished his work on Tom Cruise’s new blockbuster Oblivion and JJ Abraham’s Star Treck – Into The Darkness.

Vibeke Sorensen
Professor and Chair, School of Art, Design and Media, NTU

Vibeke Sorensen is a professor and artist working in digital multimedia and computer animation, interactive architectural installation, and visual-music performance. Her work in experimental new media spans four decades and has been published and exhibited worldwide, including in books, galleries, museums, conferences, performances, film festivals, on cable and broadcast television, and on the internet.

Marijke Van Kets
Assistant Professor, School of Art, Design and Media, NTU

As a member of the Belgian cinematographer society, S.B.C., Marijke Van Kets is an internationally acclaimed Director of Photography. Her body of work includes prize-winning feature films, commercials, video clips and her specialty is in stop motion animation films. Currently she is assistant professor in cinematography, 16 mm film and advanced cinematography at ADM, NTU, Singapore.

Ei-Leen Tan
Deputy Director, Science Centre Singapore

Dr Tan leads a team that is currently develops materials for a portable dome system, and will be exploring new content areas that would take advantage of the fulldome’s immersive environment. Dr Tan will be studying how such environments complement and enhance existing teaching methods.

Laurent Fabry
Director Asia Pacific, Alioscopy

Laurent Fabry has over 20 years experience in media, telecommunication and broadcasting industries. He provides consulting, integration and project management services for digital media projects including media asset management, digital signage and interactive digital media projects. Specialties: Media Asset Management, Digital Asset Management, Digital Signage, Interactive content, System Integration, 3D autostereoscopic, audience measurement, OOH, multi-screen projects.
SUPPORTED BY

THE ART OF 3D STEREO MEDIA

WEBSITE
www.artof3dstereomedia.com

SPECIAL THANKS
Alan Chan, Luke Kang Kwong Kapathy, Vibeke Sorensen, Tan Li Ling Michelle, Nadia Thalmann, Ho Qi Yi, Muhammad Mustajab Bin Mohamad, Thummanapalli Nagaraju.

ADM IT SERVICES
Lau Kheng Hock, Kumar Chockanathan, Lim Pheng Yew, Yeong Chen Hui, Tan Wee Liang, Abdul Shukor Bin Mohammad, Arifin Bin Ami

EVENT CO-CHAIR
Ina Conradi, Van Kets Marijke, Lucas Jodogne