# International Symposium on Colour Imaging and Metaverse cum Launching Ceremony of Colour Imaging and Metaverse Research Centre

Date:        27 to 28 January, 2023 (Fri–Sat)

Venue:       M1603, The Hong Kong Polytechnic University

Language:    English

Programme Rundown

## Day 1 – 27th January, 2023 (Friday)

| Time | Activity | Speaker/ Panelist |
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| 09:30 – 09:45 | **Welcoming Remarks** | **Prof Christopher Chao** Vice President (Research and Innovation), The Hong Kong Polytechnic University |
| | | **Hon Duncan Chiu** Member (Technology & Innovation), Legislative Council of HKSAR |
| | | **Mr Andy Wong** Head of Innovation and Technology, Invest Hong Kong |
| 09:45 - 10:00 | **Opening Ceremony of Colour Imaging and Metaverse Research Centre** | |
| 10:00 – 10:45 | **Keynote Speech** User Experience Driven Product Design in VR/AR | **Dr Jerry Jia** System Engineer, Meta Reality Lab **Dr Ajit Ninan** Senior Director, Meta Reality Lab |
| 10:45-11:30 | **Keynote Speech** Advanced Colorimetry for Imaging Colour Reproduction | **Prof Ronnier Luo** Professor of Colour and Imaging Science, School of Design, University of Leeds Professor of College of Optical Science and Engineering, Zhejiang University |
| 11:30-12:15 | **Keynote Speech** Next Generation Display Technologies for AR/VR/MR Systems | **Prof Ioannis (John) Kymissis[1]** President-Elect, The Society of Information Display Kenneth Brayer Professor of Electrical Engineering, Columbia University |
| 12:15-14:00 | **Lunch** | |

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[1] Prof. John Kymissis will join the symposium via Zoom

| 14:00-14:20 | **Invited Talk**<br><br>Colour Insights from Real and Virtual Fashion Images | **Prof Stephen Westland**<br>Professor of Colour Science and Technology, School of Design, University of Leeds |
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| 14:20- 14:40 | **Invited Talk**<br><br>Postural Instability and Disorientations of Drivers and Audiences in Metaverses | **Prof Richard So**<br>Professor of Department of Industrial Engineering and Decision Analytics, Professor of Department of Chemical and Biological Engineering, The Hong Kong University of Science and Technology |
| 14:40- 15:00 | **Invited Talk**<br><br>Visual Localisation and 3D Reconstruction based on End-Cloud Collaboration | **Prof Guofeng Zhang**<br>Full Professor,<br>State Key lab of CAD&CG, College of Computer Science, Zhejiang University<br><br>Chief Scientist,<br>Mixed Reality Platform SenseMARS, SenseTime |
| 15:00- 15:20 | **Invited Talk**<br><br>Novel Display Development and Application in Smart Cockpit | **Prof Chien-Yu Chen**<br>Professor and Head of Institute and Director of Color, Imaging & Illumination Center, National Taiwan University of Science and Technology |
| 15:20-16:00 | **Break and Refreshment** | |
| 16:00-16:45 | **Panel Discussion**<br><br>User Experience in Metaverse | Moderator:<br>**Tommy Wei**<br>Director of Colour, Imaging and Metaverse Research Centre; Associate Professor, Department of Building Environment and Energy Engineering, The Hong Kong Polytechnic University<br><br>Panelists:<br>**Dr Jerry Jia**<br>System Engineer, Meta Reality Lab<br><br>**Prof Guofeng Zhang**<br>Full Professor, State Key lab of CAD&CG, College of Computer Science, Zhejiang University<br>Chief Scientist, Mixed Reality Platform SenseMARS, SenseTime<br><br>**Dr Can (Stan) Jin**<br>Tech Lead and Engineering Manager, ByteDance Ltd., USA |
| 16:45-17:00 | **Conclusion of Day 1** | |

## Day 2 – 28th January, 2023 (Saturday)

| Time | Activity | Speaker/ Panelist |
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| 10:00-10:20 | **Invited Talk**<br><br>Addressing Challenges Introduced by Advanced Imaging Systems | **Prof Tommy Wei**<br>Director of Colour, Imaging and Metaverse Research Centre,<br>Associate Professor,<br>Department of Building Environment and Energy Engineering,<br>The Hong Kong Polytechnic University |
| 10:20-10:40 | **Invited Talk**<br><br>Colour Homography | **Prof Graham Finlayson**<br>Professor of Computer Science,<br>University of East Anglia |
| 10:40-11:00 | **Invited Talk**<br><br>Human Digital Twin for Comfort Study | **Prof Wolf Song**<br>Associate Professor of Mechatronic Design,<br>Faculty of Industrial Design Engineering,<br>Delft University of Technology |
| 11:00-11:20 | **Invited Talk**<br><br>Human Skin Colour Measurement and Database | **Prof Kaida Xiao**<br>Associate Professor in Colour and Imaging Science, School of Design,<br>University of Leeds |
| 11:20-11:40 | **Invited Talk**<br><br>Digitalising Colour and Textures for Textile Fabrics | **Prof John Xin**<br>Chair Professor,<br>School of Fashion and Textiles,<br>The Hong Kong Polytechnic University |
| 11:40-14:00 | **Lunch** | |
| 14:00-14:20 | **Invited Talk**<br><br>Recognition of Facial Skin Color, Brightness, and Expressions | **Prof Yoko Mizokami**<br>Professor, Department of Imaging Sciences,<br>Division of Creative Engineering,<br>Chiba University |
| 14:20-14:40 | **Invited Talk**<br><br>Appearance Measurement in FMCG Industry | **Dr Wen Luo**<br>Colour and Imaging Scientist<br>Unilever R&D, UK |
| 14:40-15:00 | **Invited Talk**<br><br>3D Statistical Model of Chinese Heads and its Applications | **Prof Yan Luximon**<br>Leader of Asian Ergonomics Design Lab<br>Associate Professor, School of Design,<br>The Hong Kong Polytechnic University |
| 15:00-15:45 | **Panel Discussion**<br><br>Imaging for Colour, Skin and Shape | Moderators:<br>**Prof Yan Luximon**<br>Leader of Asian Ergonomics Design Lab<br>Associate Professor, School of Design,<br>The Hong Kong Polytechnic University |

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| | | Panelists:<br>**Dr Zhihuan Zheng**<br>Director,<br>Huawei Tampere Research Centre, Finland<br><br>**Dr Wen Luo**<br>Colour and Imaging Scientist,<br>Unilever R&D, UK<br><br>**Dr Yuteng Zhu**<br>Display Engineer, Apple Inc. |
| 15:45-16:00 | **Conclusion of Day 2**<br><br>**Closing of the Symposium** | **Prof Christopher Chao**<br>Vice President (Research and Innovation),<br>The Hong Kong Polytechnic University<br><br>**Prof Tommy Wei**<br>Director of Colour, Imaging and Metaverse Research Centre; Associate Professor, Department of Building Environment and Energy Engineering,<br>The Hong Kong Polytechnic University |
| 16:00 | **Laboratory Tour** | |
| 17:00 | **End of Programme** | |