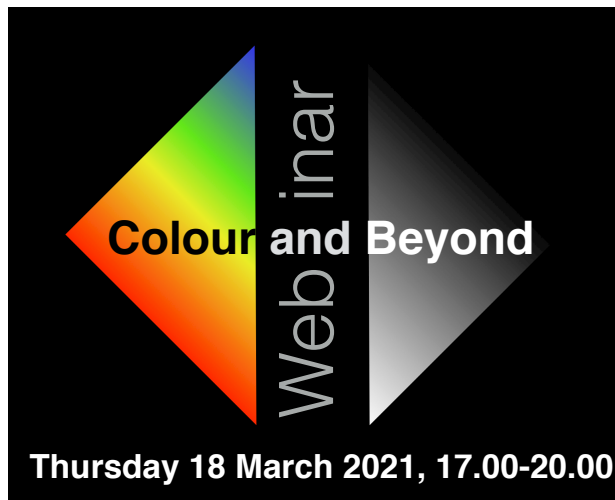# Forum Farge 2021

A webinar organised by Forum Farge in collaboration with the Department of Computer Science and the Norwegian Colour and Visual Computing Laboratory at the Norwegian University of Science and Technology (NTNU).

Webinar Torsdag, 18. mars 2021, KL.17:00-20:00

En webinar arrangert av Forum Farge i samarbeid med Institutt for datateknologi og informatikk og Norsk laboratorium for farge og visuell prosessering ved Norges teknisk-naturvitenskapelige universitet (NTNU).

A broadly conceived, content-rich afternoon workshop dedicated to colour and beyond.
It starts with an introduction to human colour vision and perception, followed by an excursion into the potential of multispectral imaging and visualisation. We continue to explore computational colour constancy and white balance, before the importance of colour in the context of visual communication of information and interaction design are discussed.
An application related to colour wallpaper design is presented and short colour related contributions are expected from Forum Farge members.
Finally, the webinar ends with Forum Farge annual meeting.

TENTATIVE PROGRAMME

17.00–17.00   Peter Nussbaum   Opening Forum Farge 2021

17.00–17.20   ***Rigmor C. Baraas***:   Human colour vision

17.20–17.40   ***Sony George***:   Spectral imaging and application

17.40–18.00   ***Pauline Hardeberg Zimmermann***:   Computational colour constancy and white balance

18.00–18.20   ***Ole Wattne***:   Colour in information design

18.20–18.40   ***Anton Strand***:   Colour wallpaper design

               Break

19.00–19.30   **Forum Farge members 10' Contributions***

- Professor **Jon Yngve Hardeberg**, NTNU Gjøvik, "*ApPEARS and CHANGE*"
- Associate Professor **Elise Dees Krekling**, University of South-Eastern Norway Campus Kongsberg, "*Red-green colour vision deficiencies – vocational requirements and colour vision testing*"

19.30–20.00   **Forum Farge årsmøte**

20.00–20.05   Peter Nussbaum   Closing Forum Farge 2021

* Forum Farge members contribute with 10' presentation about a colour related topic.

Please, note that the programme is subject to change, and will be updated continuously up to the webinar.

Professor **Rigmor C. Baraas**, Faculty of Health and Social Sciences, Department of Optometry, Radiography and Lighting Design, University of South-Eastern Norway Campus Kongsberg. She is the director of research at the National Centre for Optics, Vision and Eye Care and head of the Colour Vision and Retinal Imaging laboratory. She is an expert in human colour vision, the development of the eye and refractive errors.

Dr **Sony George** is currently an Associate Professor at The Norwegian Colour and Visual Computing Laboratory, Norwegian University of Science and Technology since 2017. Before joining NTNU, he worked as a researcher at Gjøvik University College Norway. Sony obtained a Ph.D. in Photonics from the Cochin University of Science and Technology, India, in 2012. He has been involved in several national and EU projects multiple roles, including EU MSCA-ITN projects HiPerNav and CHANGE. His primary research focus is in application of spectral imaging for cultural heritage, food, and forensics.

Pauline Hardeberg Zimmermann is a PhD student at the Department of Computer Science, NTNU. She is working with the Colourlab at NTNU Gjøvik and the Department of Electronic Systems at NTNU Trondheim. The goal of her cross-campus research project is to develop an imaging based approach to documenting skin bruises. She is also involved in developing and teaching a new course in introductory electronics. Before starting the PhD, she was enrolled in a signal processing dual degree program with NTNU Trondheim and Technische Universität Berlin.

Ole E. Wattne is PhD student and assistant professor, Department of Design, Faculty of Architecture and Design, NTNU. His research is related to the design of wayfinding systems and specifically how knowledge from multiple research fields influences design decisions and design interventions in such systems. He has been teaching information graphics, information architecture, interaction design, wayfinding systems and graphic design for bachelor and masters students.

Anton Strand is a sales & Business Manager LFG at Norway Canon Norge As. He is an experienced Application Development Manager with a demonstrated history of working in the business supplies and equipment industry. Skilled in Print Management, Sales, Managed Print Services, Business Development, and Marketing Strategy. Strong sales professional graduated from BI.

The **Department of Computer Science** (IDI) conducts research in the fields of: artificial intelligence (AI), big data, computer architecture, computer graphics, computer security, databases, human computer interaction (HCI), information systems, operating systems, software engineering, and search–to mention but a few.

The **Norwegian Colour and Visual Computing Laboratory** was established in 2000, initially to serve the increasing need for colour management solutions in the printing and graphic arts industry. Since then it has become an internationally leading research and educational institution within colour imaging science.

Påmeldingsfrist: 16. mars 2021:
For registrering se:
www.forumfarge.no

(Zoom linken sendes til registrerte deltakere umiddelbart.)

Ytterligere informasjon, kontakt:
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All welcome, with no cost.

The link to the Zoom wibinar will be provided to attendees who sign up.