



Winter 2023 Seminar Series
Friday, February 10th

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Imaging research at NTNU Colourlab and its applications in cultural heritage

ABSTRACT: In this presentation I will give a brief overview of the scientific activities at the Colourlab at NTNU - Norwegian University of Science and Technology, with an emphasis on topics within colour and spectral image capture, processing, and analysis. Then I will focus on one area where these technologies have proven to be very useful, that is for the documentation, analysis, and visualisation of tangible cultural heritage objects, including information about our ongoing European project CHANGE (Cultural Heritage Analysis for New Generations).

BIOGRAPHY: Jon Y. Hardeberg received his sivilingeniør (MSc) degree in signal processing from the Norwegian Institute of Technology (now NTNU) in Trondheim, Norway in 1995, and his PhD from Ecole Nationale Supérieure des Télécommunications in Paris, France in 1999. He is now Professor of Colour Imaging at the Colourlab at NTNU - Norwegian University of Science and Technology, Gjøvik, Norway. His current research interests include spectral imaging, image quality, colour management, material appearance, cultural heritage imaging, and medical imaging, and he has co-authored more than 300 publications within the field. He has led several research projects funded by the Research Council of Norway, been NTNU's representative in two Erasmus Mundus Joint Master Degrees (CIMET and COSI), and the coordinator of three Marie Skłodowska Curie ITN projects (CP7.0, ApPEARS, CHANGE). During the first half of 2023 he is a visiting professor at the University of Washington in Seattle.