

## ROOM ONE

1/9/2022

**LOCATION: K109**

**Stream Link:** [https://s.ntnu.no/COSI\\_Defense\\_Room1](https://s.ntnu.no/COSI_Defense_Room1)

**VISUALIZATION SOLUTIONS FOR INTRAOPERATIVE HYPERSPECTRAL IMAGING**

9:00-10:00

*STUDENT:* THONG NGUYEN

*Host institute:* University of Eastern Finland

**DATA ARCHITECTURE AND DESIGN OF A IN VIVO HYPERSPECTRAL IMAGE DATABASE**

10:30-11:30

*STUDENT:* GEMAL HAMID HISUIN

*Host institute:* University of Eastern Finland

**IMPACT OF LED LIGHT MIXING ON COLOR DISCRIMINATION IN LOW VISION**

13:00-14:00

*STUDENT:* LINNA YANG

*Host institute:* Jean Monnet University

**INVESTIGATION ON THE EFFECT OF BACKLIGHT AND AMBIENT LIGHT ON THE COLOR APPEARANCE AND PERCEPTION**

14:30-15:30

*STUDENT:* LAKSHAY JAIN

*Host institute:* HP

## ROOM TWO

1/9/2022

**LOCATION: K113**

**Stream Link:** [https://s.ntnu.no/COSI\\_Defense\\_Room2](https://s.ntnu.no/COSI_Defense_Room2)

**USE OF TRANSFER LEARNING AND GANS TO CREATE A CARROT SEGMENTATION MODEL FROM WORK DONE ON CUCUMBERS, IN UNCONTROLLED CONDITIONS**

9:00-10:00

*STUDENT:* DAVID NORMAN DIAZ ESTRADA

*Host institute:* Vilmorin-Mikado

**OPTIMIZATION OF UNMIXING MODELS**

10:30-11:30

*STUDENT:* DANISH ALI CHAGHDO

*Host institute:* University of Granada

**MULTI-ATTENTION SKFHDRNET FOR HDR VIDEO RECONSTRUCTION**

13:00-14:00

*STUDENT:* EHSAN ULLAH

*Host institute:* NAGRA

**SELF-SUPERVISED DEPTH ESTIMATION OF UNDERWATER RANGE GATED IMAGES**

14:30-15:30

*STUDENT:* ZOLBAYAR SHAGDAR

*Host institute:* SINTEF

**ROOM ONE**

**2/9/2022**

**LOCATION: K109**

**Stream Link:** [https://s.ntnu.no/COSI\\_Defense\\_Room1](https://s.ntnu.no/COSI_Defense_Room1)

**MEASUREMENT PIPELINE FOR ACCURATE IN-SITU MEASUREMENTS OF MUSEUM ARTWORK USING  
HYPERSPECTRAL IMAGING**

9:00-10:00

*STUDENT:* SANAM NISAR MANGI

*Host institute:* KU Leuven

**IMPROVE WHITE BALANCE (COLOR CONSTANCY) ACCURACY FOR MULTI ILLUMINANT  
HIGH-QUALITY PHOTOGRAPHY**

10:30-11:30

*STUDENT:* RONNY XAVIER VELASTEGUI SANDOVAL

*Host institute:* HUAWEI

**DEEP LEARNING-BASED ILLUMINATION SPD ESTIMATION FROM AN RGB CAMERA**

13:00-14:00

*STUDENT:* DONG HAN

*Host institute:* Jean Monnet University

**DEEP LEARNING METHODS FOR CLASSIFICATION OF PHOTOMETRIC IMAGES OF MATERIALS**

14:30-15:30

*STUDENT:* MD BORHAN UDDIN SUMON

*Host institute:* Jean Monnet University

**ROOM TWO**

**2/9/2022**

**LOCATION: K113**

**Stream Link:** [https://s.ntnu.no/COSI\\_Defense\\_Room2](https://s.ntnu.no/COSI_Defense_Room2)

**SEGMENTATION AND CHARACTERIZATION OF ZUCCHINI FRUIT IN COMPLEX BACKGROUND**

9:00-10:00

*STUDENT:* MILAN KRESOVIĆ

*Host institute:* Vilmorin-Mikado

**ANALYSIS OF EYE-TRACKING OF CAPSULE ENDOSCOPY IMAGES**

10:30-11:30

*STUDENT:* AKIB JAYED ISLAM

*Host institute:* Norwegian University of Science and Technology

**DSTT-MARB: MULTI-SCALE ATTENTION BASED SPATIO-TEMPORAL TRANSFORMERS FOR OLD  
FILM RESTORATION**

13:00-14:00

*STUDENT:* TAWSIN UDDIN AHMED

*Host institute:* NAGRA

**VISUAL DISPLAY CALIBRATION**

14:30-15:30

*STUDENT:* MARIA JOSE RUEDA MONTES

*Host institute:* Norwegian University of Science and Technology