



# UNIVERSIDAD DE GRANADA

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Máster Erasmus  
Mundus en Ciencia del  
Color Imágenes y Visión  
Computacional /  
Computational Colour  
and Spectral Science

## Final Master Project

Past Master Thesis topics

### CIMET intake 2008-2010

- Fall detection using multiple camera tracking, Victoria RUDAKOVA
- Video enrichment and objects tracking, Priyanto HIDAYATULLAH
- Logvinenko's object color space theory in practice, Christoph GODAU
- Detection of defects in grape tomatoes with novel technologies, Yu HU
- Spectral imaging in medical applications, Kusse Sukuta BERSHA
- Development and Optimization of demosaicing algorithm to interpolate color values obtained from a CMOS camera in a RoboCup scenario, Mohzdeh SEIFI
- Characterization and calibration of a LCD display based on a limited set of color samples, Sweet KHISA
- Assessing the contribution of blur in visual attention & Extraction of salient region for stimuli containing blur and sharp region, Rizwan KHAN
- Biomarker detection by hyperspectral imaging, Shuyang LIU

### CIMET intake 2009-2011

- Segmentation of neurosurgery image: Jussi Parkkinen and Markku Hauta Kasari/Arash MIRASHEMI
- Reconstruction of spectral images in neurosurgery settings: Jussi Parkkinen and Markku Hauta Kasari/ Md Abul HASNAT
- Retinal spectral image analysis methods: Jussi Parkkinen and Markku Hauta

<http://masteres.ugr.es/cosi/>

Kasari / GM Atiqur Rahaman

- Microscopic image analysis for wood fiber classification based on fluorescence: Jussi Parkkinen and Markku Hauta Kasari/ Zhengzhe WU
- Object class recognition: Elisa Fromont, Damien Muselet and Marc Sebban/ Basura FERNANDO
- Dense stereo reconstruction using time-of-flight and color cameras: Radu Horaud (INRIA) and Corinne Fournier / Vineet GANDHI
- Pipe detection and tracking in aerial refuelling: Juan Torres Arjona (Universidad Politecnica de Madrid) and Hubert Konik (UJM)/ Marcos QUINTANA
- Forward and backward modelling for the processing of coloured materials: Nathalie Destouche, Philippe Colantoni and Alain Trémeau/Tushar CHAUHAN
- Influence on human perception of crosstalk in 3D stereoscopic displays: Laurent Blondé (Technicolor) and Alain Tremeau/ Darya KHAUSTOVA
- Algorithm improvement for object recognition: Damien Muselet and Vincent Demoulin (Technicolor)/ Sajib SAHA
- Gesture recognition system development: Alleaume Vincent (Technicolor) and Alain Trémeau / Ateendra Kumar SINGH
- On-the-fly personalized tagging of video contents: Lionel Oisel (Technicolor) and Alain Tremeau / Peng WANG
- Dynamic color conversion for movies, Patrick Morvan (Technicolor) and Alain Trémeau/ Xingbo WANG
- 3D motion analysis of microscopic object in collaboration with ETH Zurich, Alain Trémeau and Wolf-Dietrich HARDT (ETHZ)/ Syed Qasim BUKHARI
- Live Color Calibration of a Video Camera Array in collaboration with Simula: Jon Yngve Hardeberg and Eichhorn (Simula) /Viktor SLAVKOVIKJ
- Augmented reality object placement and lighting: Simon McCallum and Jon Yngve Hardeberg/ Ibrahim ARIEF
- Classification of teachers' actions in lecture videos: Faouzi Alaya Cheikh/ Alejandro MORENO
- Image processing techniques applied to the generation of an automatic streamline for healthy gingivae evaluation: Eva Valero / Timo Eckhard
- Wire detection on infrared images at INDRA Company: Juan Luis Nieves and Faouzi (GUC), /Samra Tanovic
- Colour differences under different luminance levels through LCD displays:

Manuel Melgosa UGR and Ronnier Luo (University of Leeds UK)/Wei-Ting HUANG

- Optical-quality evaluation of flat panel displays: Manuel Rubiño and Antonio Pozo/ Pradeep KETHIDI

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