Raphaël Labayrade, Dr.

Civil Engineer

Assistant Professor (ENTPE - LASH, Lyon, France)

Born on 16/05/1976, Roubaix, France
Married, 2 children

Degrees

1994 Baccalauréat C, Bayonne
2000 Engineer Degree, ENTPE, Lyon
2000 Master Digital Images, Uni. St Etienne
2004 Ph. D., UPMC, Paris

Professional career

2004 Researcher in artificial perception, INRETS - LIVIC, Versailles
2007 Assistant Professor, Light and Vision, ENTPE – LASH, Lyon

Teaching (975 hours to 1933 students)

2004 Image processing, ESPCI, 2 A, Paris
2007 Lighting in buildings, ENTPE, 2 A, Lyon
2010 Computer Science, 1 A ENTPE, Lyon

Affiliations

2004-2007 IEICE (Institute of Electronics, Information and Communication Engineers)
2007 … CIE (Commission Internationale de l'éclairage)
2008 … Member of Cluster Lumière, Lyon
2010 … IEA (International Energy Agency), team SSL-4E

Projects (European, PREDIT and ADEME ANR)

2000-2002 CARSENSE (European Project FP5)
2003-2005 SAFELANE (European Project FP6)
2002-2004 ARCOS (ANR PREDIT)
2004-2006 DO30 (ANR PREDIT)
2007-2010 LOVe (ANR PREDIT)
2006-2009 VIVRE2 (ANR PREDIT)
2007-2008 LED HABITAT (ANR ADEME)
2008-2009 EVALUM 4 (ANR ADEME)
2009-2012 CITADEL (ANR ADEME)
2009-2010 MADELIO (ANR ADEME)
2009-2012 PACTE LEDS (ANR ADEME)

Dissemination of scientific and technical information

Attendant to 29 international conferences,
14 expos,
6 TV shows.

Ph. D and students direction

5 Ph. D students, 7 master students, 2 Post-docs,
8 engineer students,
8 research engineers.

Scientific production (h-index 14, 790 citations)

11international journal papers
47 international conference papers
3 international patents + 1 national patent
4 chapters in international research books

Selection of publications

R. Labayrade, C. Royere, D. Gruyer, and D. Aubert. Cooperative fusion for multi-obstacles detection with use of stereovision and laser scanner, Autonomous Robots, 19-2:117-140, Sep, 2005.

C. Villa and **R. Labayrade**. Multiobjective optimisation of lighting installations taking into account user preferences: a pilot study. Lighting Research and Technology, in press, 2012.

R. Labayrade, B. Coutelier, and M.Fontoynont. Camera positioning and settings for subjective lighting assessment from photographs: experimental study. Light & Engineering, 16-3:52-64, 2008.

R. Labayrade, H.W. Jensen, and C.Jensen. An iterative workflow to assess the physical accuracy of lighting simulation programs. Light & Engineering, 18-2:60-70, 2010.

R. Labayrade and M. Fontoynont. High luminance images display, french patent 1250891, 2012.

C. Villa and **R. Labayrade**. Validation of an online-based protocol for luminous environment

assessment. Submitted to Lighting Research and Technology, 2012.