

Bilal KARABAGLI

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Education

School of Mines. Albi, FRENCH

Oct. 2010/2013: Ph.D. candidate, Automatic systems and industrial systems

- **Advisors:** Pr. Jean-José ORTEU, Dr. Thierry SIMON
- **Thesis title:** Application of computer vision for high speed machining safety.
- **Papers:** edges detections and Automatic thresholding of gradient magnitude image
 - Published at ORASIS 2011

S.M. University of sciences. Angers, FRENCH

Oct. 2008/2009: Masters graduate Photonic, signal and imagery (PSI)

- **Advisor:** Dr. Georges Boudebs, Dr. Yann GOYAT
- **Thesis title:** estimate the trajectory of the cars by an optical system-application to driver assistance.
- Initiated collaboration with device research group (LCPC laboratory, ...)

Enginner. University of Biskra. ALGERIA

Sept. 2001/2006: Automatic systems Enginner

- **Advisor:** Dr. Ghodbanne Hatem.
- **Thesis title: mobil robot (4- wheel) command using logical flow**
 - Inversigated simulator for automatic automobile parking.

Works experience

- **Oct.2010/present: IUT de Figeac, FRENCH**
 - Temporary teacher: Work practice in Robotic, Computer vision and Grafcet
 - Students level school, 2nd years DUT diploma (BAC+2)
- **Jun.2007/Oct.2009: Cosider Canalisations (Algeria)**
Enginner SCADA (Supervisory Control And DATA Acquisition)
 - Gazoduc project GEM 48'' Algeria/Europe.
- **April.2006/Jun.2006: INSFP- National Institut of professional formation- (Algeria)**
 - Temporary teacher: Courses, Regulation of industrial process
- **July.2005/Aug.2005: SONATRACH (Algeria)**
 - Internship, Programmer Logic Controller (PLC) studies.
- **July.2004/Aug.2004: SONATRACH (Algeria)**
 - Internship, Control and Command of oil pumping machines.

Projects

- Move objects detection in video sequence using car's camera. Application for drive assistance. LCPR Angers, FRENCH

- Programmed CAN (Controller Area Network) description language for inter-vehicles communication. Vallenciennes University FRENCH.
- Programmed card puce for reading/writing (driver) en C.

Skills

O.S: Windows (all versions), Linux

Programmation Langages : C/C++, Assembleur

Logiciels : Matlab & Simulink, micro station, Adobe Flash CS4, 3DSMax

Area networks/Web/Telecom: Ethernet, PHP, TCP/IP, HTML, Voip, ISDN

API: RSlogix 5000 (Rockwell Automation), Telemecanique, Siemens

Research domain

Segmentation, Objects recognition, augmented reality, Image and signal processing and data classification.

Others : Real time and industrial systems.

References

Professor Jean-José ORTEU
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Campus Jarlard
81013 ALBI CT Cedex 09
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Dr. Thierry SIMON
Laboratoire LRPmip
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