PERSONAL INFORMATION	Dr. Julien Mandon
PERSONAL STATEMENT	Accomplished scientist with a background in Optronic engineering. Excels in lab environment with more than 7 years of expertise in electro-optics. Active and creative, with the ability to manage people and successful projects. Looking for new challenges, expend knowledge and provide opportunities for personal and professional growth.
WORK EXPERIENCE 2014 - Present	 Research scientist Radboud University, Nijmegen, The Netherlands. Developing numerous electro-optical instruments for spectroscopic applications, Leading successfully 1 European and 1 National research projects, Coaching PhDs and master students. Sector Electro-optics, Photonics business, applications and technology
2013 - 2014	 Electro-optical Engineer Sensor Sense B.V., Nijmegen the Netherlands. Engineering laser-based systems for on-line gas measurement at commercialization level (TRL9). Buisness Laser based trace-gas sensors
2009 - 2013	 Research scientist Radboud University, Nijmegen, The Netherlands. Developing laser-based sensors for trace-gas sensing applications including environmental studies, medical breath-analysis or plant science. Sector Electro-optics, Photonics business, applications and technology
2006 - 2009	 PhD in Science EQF level 8 Laboratoire de PhotoPhysique Moléculaire, Centre National de la Recherche Scientifique (CNRS), Orsay, France. + 6 months at Max-Planck-Institute of Quantum Optics (MPQ), Garching, Germany. Conceiving, designing and realizing a femtosecond solid-state laser (at 1.5 um), Demonstration of innovative concepts for spectroscopy based on broadband light sources. Sector Electro-optics, Spectroscopy
2005 - 2006	 Optronic engineer Safran Electronics & Defense, Avionics USA (SAGEM Avionics Inc.), Dallas, Texas, USA and Seattle, Washington, USA. Implementing a new repair station for SAGEM biometric products for the US market, Responsible for test benches for avionics products. Buisness Photonics Applications for safety and military purpose
EDUCATION AND TRAINING 2001 - 2006	Student in optronic engineering EQF level 6 Polytech Paris-Sud (IFIPS), Orsay, France Optic: Linear/non linear optics, photometry, detector, lasers, optical fibres, Electronic: Digital/analog electronics, digital processing of the signal, semi-conductor, Computer Science: Language C, Programming Orientate Object (C++)

Computer Science: Language C, Programming Orientate Object (C++),
 Industrial Data processing: VHDL on Programmable Logic Device. C on micro-controllers.

PERSONAL SKILLS	
Mother tongue	Français
Other language	English (TOEIC : 845/990)
Communication skills	 Communication skills gained through my experience as researcher. Oral presentations to national (3/year) and international (2/year) conferences, Scientific cooperations with different field of research (biologists, physiscians, chemists) Transfer of knowledge to my co-workers (students, PhDs, new post-docs).
Organisational, managerial skills	 Currently responsible for a team of 4 people, Lead daily 3 master students and 3 PhD in lab working environment,
Electro-optical skills	 Lasers from visible to far-IR: (developments) frequency combs, Solide-state, OPO, (user) Quantum Cascade, gas. Spectroscopic techniques: light detection, RF modulation, optical cavity enhancement, photoacoustic, Faraday. Electronics: RF locking-systems (PPLs) adapted to optics, FPGA, data acquisition. Trace-gas sensing / sensors: analysis of molecular spectra, real-time gas concentration monitoring, multivariate statistics. Gas system handling
Computer skills	 Programming: c, c++, c#, Matlab, Labview Other software: Microsoft Office, OriginLab, Inkscape, Blender (3D), SolidWorks (product design) Operating system: Linux environments, Windows
ACHIEVEMENTS	
	 Personal research grants: STW Open Technologieprogramma, Title: Mid-infrared Frequency Comb Fourier Transform Spectrometer for chemical analysis, <i>Total Allowance: 534 k€</i>. EU-Marie Curie fellowships EU-people-2010-IEF, project no 275584 QCLaser Nose, <i>Total Allowance: 176 k€</i>. Patent: Fourier transform spectrometer with a frequency comb light source, PCT/IB2009/006282 dated 20/07/09. Inventors: N. Picqué, G. Guelachvili, J. Mandon. Scientific production: