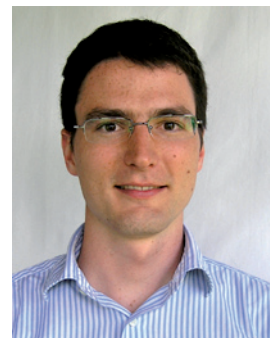


## Personal data

Name Lucas Schifferle  
Nationalities Swiss & German  
Date of birth 04.05.1981  
Permanent address Sommet-des-Vignes, 1928 Ravoire, Switzerland  
Contact +41 (0) 27 722 88 07 | +41 (0) 79 695 82 35  
[www.lucasschifferle.com](http://www.lucasschifferle.com)



## Education

1999 - 2004 **Master degree in Physics** (*quantum optics*)  
Swiss Federal Institute of Technology, *Lausanne, Switzerland*  
1997 - 1999 **Scientific baccalaureate with mention**  
Lycée français Dominique Savio, *Douala, Cameroun*  
1995 - 1997 Lycée français Colette, *Hô Chi Minh-City, Vietnam*  
1985 - 1995 Secondary and primary school, *Martigny, Switzerland*

## Work experience

2006 *one year* Lawrence Berkeley National Laboratory, Environmental Energy Technology Division  
*Berkeley - CA, USA*  
*Project management of a new lighting control algorithm for intelligent offices that would detect global lighting changes in a room and adapt the electric lighting accordingly. The main idea is to make buildings more energy efficient.*

2005 *half a year* Swiss Federal Institute of Technology, Time-resolved Cathodoluminescence Lab.  
*Lausanne, Switzerland*  
*Responsible for the conception and development (3D CAD + engineering) of a cryostat termination that would fit within the limited volume of a SEM chamber.*

2004 - 2005 *one year* Mitsubishi-Electronics Laboratories, Sensing Technologies Dept.  
*Osaka, Japan*  
*Participation to the development and characterization of novel micro-switches (RF-MEMS technology) for the telecommunication industry.*

2003 *summer* Swiss Federal institute of Technology, Cathodoluminescence Lab.  
*Lausanne, Switzerland*  
*Research assistantship including the development of experimental equipment in order to study optical properties of semiconductor microcavities.*

2002 *summer* Syngenta Crop Protection AG, Biology Research Center  
*Stein-Säckigen, Switzerland*  
*Optimization of micro-screen processes on pipetting robots for the life science industry.*

## Particular knowledge & interests

**Languages** French, mother tongue  
English, good skills  
German, working knowledge  
Italian, working knowledge  
Japanese, conversation level (3 months intensive course at IFIE, *Kanazawa, Japan*)

**Computer skills** Windows, Mac, Unix  
All Office applications, Photoshop, Illustrator, InDesign, GoLive, Dreamweaver  
SolidWorks (CAD software)

**Programming** Python, C, Fortran90, Mathematica, Matlab, FemLab, HPVee, shell scripting  
PHP, MySQL, HTML

**Interests** Music (playing African percussions, saxophone, acoustic guitar)  
Contact with people & travel

## **References**

- Steve Selkowitz** Head of the Building Technologies Division, EETD, LBNL  
[SESelkowitz@lbl.gov](mailto:SESelkowitz@lbl.gov)
- Francis Rubinstein** Head of the Lighting Research Group, EETD, LBNL  
[FMRubinstein@lbl.gov](mailto:FMRubinstein@lbl.gov)
- Benoît Deveaud-Plédran** Director of Quantum Electronics and Photonics Institute, EPFL  
[benoit.deveaut-pledtran@epfl.ch](mailto:benoit.deveaut-pledtran@epfl.ch)
- Jean-Daniel Ganière** Head of Time Resolved Cathodoluminescence Lab, EPFL  
[jean-daniel.ganiere@epfl.ch](mailto:jean-daniel.ganiere@epfl.ch)
- Laurent Nussbaumer** Head of Micro-screening Research Biology group, Syngenta AG Stein  
[laurent.nussbaumer@syngenta.com](mailto:laurent.nussbaumer@syngenta.com)