

# Olivier LESCOP

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## WORK EXPERIENCE

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02/2009 to present ACADEMIC RESEARCH, Chicago, USA

**Research Associate** in Speech Perception (University of Chicago)

- Performed a study to figure out the role of talker image in word recognition
- Measured in-ear sound and skull vibrations while talking

**Research Associate** in Visual Perception and Attention (Northwestern University)

- Led research about the role of on-off durations of flickering patches on visual salience
- Succeeded in obtaining psychometric functions using a visual-auditory matching task

2005 to 2008 PSA PEUGEOT CITROËN, Vélizy, France

*PSA PEUGEOT CITROËN is the 6<sup>th</sup> world car manufacturer which designs, develops PEUGEOT and CITROËN brands, and manufactures more than three million cars each year.*

**Sensory Manager**

Managed the middle and long-term research portfolio on Vibroacoustical Perception, managed sensory parts of innovation projects (Urban Comfort and Crosswind), responsible for initiatives in others field of human perception

Vibroacoustical Research and Urban Comfort Project (2006-2008)

- Developed “Triple Play” laboratory facility for vibroacoustical restitutions with video playback
- Compared “Lab” and “on road” sensory results to improve immersion in simulator
- Figured out relevant sensory attributes and customer acceptability of obstacle passing comfort performing an on-road consumer studies
- Collaborated with PSA expert drivers to increase awareness of sensory approaches
- Connected to Engineering teams, developed a prototype seat to improve vibratory comfort

Crosswind Project (2006-2007)

- Carried out the first “on road” studies to assess sensations and comfort in crosswind condition
- Established a new prediction model of customer inconvenience based on quality control surveys data and aerodynamic and dynamic parameters

Other Activities

- Figured out key attributes and key conditions of open-roof convertible comfort qualitative study
- Contributed to the elaboration of a normative best-practices guide for auditory perception analyses in the framework of the AFNOR V09-B committee about “sensory characterization of material” for (2007-2008)
- Managed MS and PhD students, technician, apprentices

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Page 2

1998 to 2004 PSA PEUGEOT CITROËN, Vélizy, France

## Sensory Specialist

Responsible for the adaptation sensory methodologies and implementation of sensory studies

- Carried out the first on-road studies (qualitative, consumer and descriptive) to assess dynamic sensations and comfort of gearshift of robotized gearbox vehicles
- Brought technical teams critical understanding of robotized gearshift comfort
- Successfully adapted and applied TDS method to assess automotive sound sensations in lab, in collaboration with the method inventor Pr. Schlich (CESG, Dijon, Fr).
- Adapted and applied Time-Intensity method to thermal sensations of warming automotive seat using a prototyped finger span device
- Performed sensory studies as panel leader (12 sensory experts, up to 20 hours per week)

## SKILLS

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Sensory	Familiar with all sensory areas (descriptive, discrimination, consumer, qualitative), Lab & real conditions, multisensory perception, innovative methods (time-intensity, temporal dominance of sensation, free sorting task, dissimilarity task)
Computer	Office Statistics (SPSS, SPAD, Fizz) Programming (Excel, Matlab, Visual Basic)
Languages	French (native speaker) English advanced level (ESL section, University of Chicago, 2009)

## PROFESSIONAL DEVELOPMENT

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Completed continuing training courses in sensory and consumer science (statistics, sensory methods and psychophysics), in automotive field (physical dynamic model, practical automotive knowledge, hybrid technology), in design process (functional analysis) and project management.

## EDUCATION

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1996-1998	MS degree in Physics specialization "Acoustics and Vibration" (UTC, France)
1992-1996	Bachelor's degree in Physics (University of Brest, France)

## ACTIVITIES/INTERESTS

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Community work	Treasurer of the Irish Foundation of Paris from 2005 to 2006
Sport	Windsurfing (instructor, 1992-95), Rugby, and Hiking (Matterhorn and Mont-Blanc round-trips)
Music & Dance	Guitar, <i>Bodhran</i> (Irish drum), Irish Set Dancing
Other	Cooking