PIERRE KORNPROBST

PhD in Mathematics, with an expertise in vision science

http://www-sop.inria.fr/members/Pierre.Kornprobst

Inria Sophia Antipolis Méditerranée

EMPLOYMENT

SENIOR RESEARCH SCIENTIST (DR2)

INRIA 01/2019-ongoing, Sophia Antipolis, France

In charge of research axis 'Diagnosis, rehabilitation, and low-vision aids'

JUNIOR RESEARCH SCIENTIST (CR2/CR1)

INRIA 07/2000-12/2018, Sophia Antipolis, France

- In 2016, co-creation of the Biovision team about vision impairment
- From 2000 to 2016, member of several Inria teams, with a thematic mobility from computer vision to visual neuroscience

COOPERANT AU SERVICE NATIONAL EN ENTREPRISE (CSNE)

University of Southern California 01/1999-06/2000, Los Angeles, USA Sponsored by MATRA Système et Information

EDUCATION

HABILITATION (HDR)

Université Nice Sophia Antipolis, 2008

PhD in MATHEMATICS

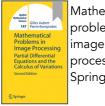
Université Nice Sophia Antipolis, 1998 MESR grant, Mention très honorable avec les félicitations du jury

SCIENTIFIC ACTIVITIES AND RESPONSIBILITIES

PUBLICATIONS

In Mathematics, Computer Vision and Visual Neuroscience

35 journal papers, >40 conferences, including major peer-reviewed conferences (such as CVPR, MICCAI, IJCAI), 1 book as co-author (Springer, 2011, > 2000 citations), 1 book as co-editor (Springer, 2006), 3 book chapters, 1 course note (from three tutorials given at SIGGRAPH (1) and CVPR (2))



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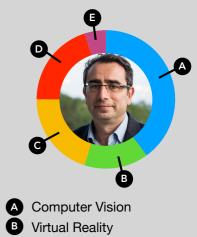
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Theory and Applications Sylvein Para, Pierra Komprobat, Jack Tumblin, and Fréde Durand	

SUPERVISION OF RESEARCH ACTIVITIES

- 3 Ph.D. ongoing, 5 Ph.D. defended, 20 Master internships, 8 postdoctoral fellows
- Most of my past Postdoc and PhDs are now successfully working on computer vision or neuroscience in academy or in industry

PROFESSIONAL ACTIVITIES

- >20 conference program committees, since 2003
- 7 Ph.D./HDR committees (France, Spain)
- Workpackage leader in two European projects (FP7, FET and ICT) and one ANR
- Member of the Academic Board of Université Cote d'Azur (CAc), 2015-2019
- Member of the Administration Board of Université Cote d'Azur (CA), 2019-2023



- C Low Vision
- D Visual Neuroscience
- E Entrepreneurship

CURRENT RESEARCH FOCUS

Unveiling fundamental mechanisms of visual perception of people with visual impairments, to predict their needs and better address them through the development innovative solutions

SPOTLIGHT: SOCIO-ECONOMIC IMPACT AND TRANSFERT

PARTNERSHIP

Demain un Autre Jour

CIFRE contract (2023-2026), 3 years. Computational approaches for newspaper lay-outing

PRE-MATURATION PROJECT

VREAD project, UCA grant

Project leader, 2017-19, 22 mos APP deposit

- http://tiny.cc/8q8xez
- PoC of an accessible reading platform in virtual reality for books and augmented reading experiences
- investigation of the potential markets (lean startup methodology)

CODE TRANSFER

Realviz startup, 1998

Code on optical flow estimation from my PhD transferred and used in the product "Retimer"

AREAS OF EXPERTISE