

APPOINTMENTS

Research scientist, then Senior research scientist

2007 - present

University of Luxembourg

- Research: human factors and cognitive ergonomics, User Experience, socio-technical aspects of security. Applications: security, workforce and educational contexts, assessment context, mission critical environments.
- Teaching: An introduction to User Experience design and evaluation methods. Learning and evaluation in technology enriched societies.
- Setting up the University's first usability laboratory, and recently the new UX focused user laboratory; laboratory's scientific head (2008 - present).
- Vice head of Cognitive Science and Assessment (COSA) institute.
- Head of Experimental Psychology Laboratories Network (EPSYLON), a group of 10 experimental psychology laboratories in the faculty of social sciences (2017 - present).
- Head of the HCI research group (2009 - present).
- Co-affiliation with the Interdisciplinary Centre for Security Reliability and Trust (2009 - present).
- Co-affiliation with the Luxembourg Centre for Educational Testing (2014 - present).

Researcher

2001 - 2006

Université Libre de Bruxelles, Belgium

- Setting up two consecutive versions of ULB's first usability laboratory.
- HCI fundamental research and partnerships with industry; HCI consultancy for variegated IT stakeholders.
- Teaching: seminars on HCI methods.

HR consultant

2001

Human Resources Consultants, Luxembourg

- HR strategy; Assessment center; Development center; Coaching.

EDUCATION

PhD in psychological sciences

2001 - 2006

Université Libre de Bruxelles, Belgium

“[Contribution à l'étude de l'utilisabilité dans le contexte des systèmes d'information à usage professionnel: conception d'un laboratoire d'utilisabilité et applications](#)”

Assessment committee: C. van de Leemput (supervisor), G. Karnas, P. Salengros, A.E. Azzi, A. Tricot

Master's degree in industrial and commercial psychology

1999 - 2001

Université Libre de Bruxelles, Belgium

SELECTION OF RELEVANT PAPERS

[\[View all\]](#)

- Lallemand, C., Koenig, V. (2017). [How Could an Intranet be Like a Friend to Me?: Why Standardized UX Scales Don't Always Fit](#). Proceedings of the European Conference on Cognitive Ergonomics 2017. **NB:** Extended journal publication on this topic in progress.
- Lallemand, C., Koenig, V. (2017). [The vocabulary of Learner-Space Interactions - Understanding learning spaces experience through the repertory grid method](#). Interaction Design & Architecture(s), 32.
- Lallemand, C., Koenig, V. (2017). [Lab Testing Beyond Usability: Challenges and Recommendations for Assessing User Experiences](#). Journal of Usability Studies, 12(3), 133-154.
- Louveton, N., Mccall, R., Koenig, V., Avanesov, T., & Engel, T. (2016). [Driving while using a smartphone-based mobility application: Evaluating the impact of three multi-choice user interfaces on visual-manual distraction](#). Applied Ergonomics, 54, 196-204.

- Lallemand, C., Koenig, V., Gronier, G., & Martin, R. (2015, September). [Création et validation d'une version française du questionnaire AttrakDiff pour l'évaluation de l'expérience utilisateur des systèmes interactifs](#). *European Review of Applied Psychology*.
- Lallemand, C., Gronier, G., & Koenig, V. (2015). [User Experience: a concept without consensus? Exploring practitioners' perspectives through an international survey](#). *Computers in Human Behavior*, (43), 35-48.
- McCall, R. & Koenig, V.(2015). [Gaming concepts and incentives to change driver behaviour](#). The 11th Annual Mediterranean Ad-Hoc Networking Workshop.
- Ferreira, A., Huynen, J.-L., Koenig, V., Lenzini, G., & Rivas, S. (2015). [Do graphical cues effectively inform users? A socio-technical security study in accessing wifi networks](#). *Lecture Notes in Computer Science*, 9190, 323-334. [Best paper award]
- Ferreira, A., Huynen, J.-L., Koenig, V., & Lenzini, G. (2014). [Socio-technical Security Analysis of Wireless Hotspots](#). *Lecture Notes in Computer Science*.
- Weinert, K., Koenig, V., Brunner, M., & Martin, R. (2014). [Concept maps: A useful and usable tool for computer-based knowledge assessment? A literature review with a focus on usability](#). *Computers & Education*, 78, 201-209.
- Ferreira, A., Huynen, J.-L., Koenig, V., Lenzini, G., & Rivas, S. (2013). [Socio-Technical Study On the Effect of Trust and Context when Choosing WiFi Names](#). *Lecture Notes in Computer Science*, 8203, 131-143.
- McCall, R., Koenig, V., Kracheel, M., (2013). [Using Gamification and Metaphor to Design a Mobility Platform for Commuters](#). *International Journal of Mobile Human Computer Interaction*.

SYNERGISTIC ACTIVITIES

- **Reviewer** for *Computers & Education* journal (Elsevier) and for *Journal of Investigative Psychology and Offender Profiling* (Wiley).
- **Conference chair** for the IHM 2010 conference (22e conférence francophone sur l'interaction homme-machine), Luxembourg; and TAO Days 2010 and 2011, Luxembourg.
- **Program committee** member for the following events: Workshop on Socio-Technical Aspects in Security and Trust (STAST), 2012, 2013, 2015; 7ème conférence de Psychologie Ergonomique (EPIQUE) 2013; Workshop on Exploring the Challenges of Ethics, Privacy and Trust in Serious Gaming, Bremen, 2012; Workshop on Entertainment Technology in Transportation against Frustration, Aggression and Irrationality, Munich, 2013; Workshop on Design for User Experience, Bordeaux, 2013; ADMEE - L'évaluation en éducation et en formation face aux transformations des sociétés contemporaines, Luxembourg, 2018.
- **Coordinator of Dagstuhl seminar** (Leibniz Center for Informatics) on Socio-Technical Security Metrics, with D. Gollmann, C. Herley, W. Pieters and A. Sasse (organizers); 30.11–05.12.2014.
- **Invited participant to Dagstuhl seminar** (Leibniz Center for Informatics) on Assessing ICT Security Risks in Socio-Technical Systems; 13.11-18.11.2016.
- **Work group leader** for the creation of a university-wide Media and Digital Design Centre, to be created at the University of Luxembourg in 2018 (2016-present).
- Leadership and management **training**, 2012-2013, awarded by employer.
- **UX strategy and research support** to various University-internal IT projects (e.g., Intranet redesign; Web presence relaunch; resource allocator).
- **Doctoral Training Unit** Security and Privacy for System Protection, management board member.
- Nominated to the SnT interim steering board in 2009.

RESEARCH PROJECTS AND ACTIVITIES

- User-centred approach to intranet and innovation portals (private-public partnership with Solvay, Belgium, 2002 - 2006).
- Black-Skin Dermatology Online Project (Belgian federal funding, ULB, 2002-2006).
- TAO (Testing Assisté par Ordinateur), open-source and web-based computer based assessment (CBA) platform:
 - TAO QUAL (FNR VIVRE funding): quality assurance workflows in a CBA platform, 2007 - 2011 [co-lead].
 - TAO TRANSFER (BMBF.de, 1.07 MEUR): user-centred design input to a CBA platform, 2010 - 2015 [co-lead].
 - PIAAC (OECD, 500 kEUR): Programme for the International Assessment of Adult Competencies, training and testing work packages, 2008 - 2012 [co-lead].
 - PISA 2012, 2015, 2018 (OECD funding): Programme for the International Student Assessment, HCI workpackage [co-lead].
 - CASCADE (UL funding): development of an innovative item format for computer-based assessment, 2008-2010.
- GENIUS (FNR CORE, 670 kEUR): model-driven Generation of ErgoNomIc USer interfaces, 2009 - 2012.
- iGEAR (FNR CORE, 960 kEUR): Incentives and Gaming Environments for Automobile Routing, 2011 - 2014 [co-lead].
- STAST (FNR CORE, 766 kEUR): Socio-Technical Aspects of Security and Trust, 2012 - 2016 [co-lead].
- MADSAV (FNR CORE inter, 550 kEUR): Maintaining driver skills in semi autonomous vehicles, 2015 - 2018.
- Course evaluation (UL funding): design, validation and continuous development of a specific web app and mobile interaction scheme for course evaluation at the University of Luxembourg, 2015 - present.
- Human-computer interaction in vehicular networks: private-public partnership, 2010 - 2016.
- OASYS Online Assessment SYStem: HCI design leader (partnership with LUCET) for front-end, back-end and item types within an online assessment platform for skills assessment and electronic exams, 2012 - present.
- Designing for collaborative and digitally enhanced learning activities and for their associated spaces; PPP project with the University of Luxembourg Learning Centre and CISCO, started late 2017, PPP funding amount under negotiation.
- User experience methods: continuous development of and research on UX methods, within the user lab and in-situ, with multiple applied use case projects (e.g., University Intranet and Web relaunch, resource allocation system). Particular focus on scientific validation and translation, in addition to the relevance for practitioners, 2015 - present.
- Continuous development of the UL's user laboratory to meet both highest scientific UX standards and technological standards.
- Key-contributor to the creation of the TAO ® start-up company [OAT](#).

PHD RESEARCH PROJECTS AND STUDENTS

- Member of the accompanying committee (CET) to the PhD projects of:
 - Alexandre Baudet (Conception et validation d'un outil d'auto-évaluation des compétences professionnelles assistée par ordinateur – finished 13.11.2012). Currently employed at the Luxembourg Institute of Science and Technology.
 - Katja Weinerth (How does usability improve computer-based knowledge assessment – finished 06.03.2015).
 - Martin Kracheel (Incentives and gaming environments for changing commuter behaviour – finished 25.04.2016).

- Carine Lallemand (Towards consolidated methods for the design and evaluation of user experience – finished 12.05.2015).
 - Jean-Louis Huynen (Human aspects in socio-technical security: an interdisciplinary approach – finished 30.06.2016).
 - Bogdan Toader (Planning and activity-travel analytics for future mobility organization in Belval – ongoing).
 - Ben Haas (L'apprentissage de la résolution de problèmes arithmétiques additifs et soustractifs verbaux par l'environnement numérique MathemaTIC - ongoing)
 - Maxime Péré (User Experience challenges in Computer-Based Assessment - April 2017).
 - Christopher Morse (Novel Interfaces for Visual Discovery: Immersive Environments for Institutions of Cultural Heritage - start September 2017).
 - Verena Distler (Socio-Technical and UX Aspects of Security - start October 2017).
 - Björn Rohles (Development of a computer-based concept mapping instrument to support learning and evaluation of systems thinking in schools - start October 2017).
 - Borce Stojkovski (Human protocols and their relevance in security - start November 2017).
- **PhD supervision and co-supervision:**
 - Katja Weinerth [UL funding] (finished 06.03.2015). 8 publications incl. thesis.
 - Carine Lallemand [FNR AFR funding] (finished 12.05.2015). 10 publications incl. thesis. Currently employed as a post-doctoral researcher at the HCI team, University of Luxembourg.
 - Martin Kracheel [FNR CORE funding] (finished 25.04.2016). 12 publications incl. thesis.
 - Jean-Louis Huynen [FNR CORE funding] (finished 30.06.2016). 9 publications incl. thesis.
 - Maxime Péré [UL funding] (User Experience challenges in Computer-Based Assessment - ongoing).
 - Christopher Morse [FNR PRIDE funding] DTU Digital History and Hermeneutics. (Novel Interfaces for Visual Discovery: Immersive Environments for Institutions of Cultural Heritage - ongoing).
 - Verena Distler [FNR PRIDE funding] DTU Security and Privacy for System Protection (Socio-Technical and UX Aspects of Security - ongoing).
 - Björn Rohles [PPP funding] (Development of a computer-based concept mapping instrument to support learning and evaluation of systems thinking in schools - ongoing)
 - Borce Stojkovski [FNR PRIDE funding] (Human protocols and their relevance in security - ongoing).
- **Invited member to PhD defence jury of:**
 - Sascha Kaufmann (Artificial Conviviality and User-Behaviour Analysis in Web Feeds - UL- FSTC – finished 10 December 2010).
 - Cathie Marache-Francisco (Gamification des interactions humain-technologie : représentation, conception et évaluation d'un guide pour la gamification des interfaces - University of Lorraine, PErSEUs – defence 25 November 2014). Currently employed at SAP France.
- **PhD jury chair** for the defence sessions of:
 - Alexandre Baudet (for details, see above).
 - Katja Weinerth (for details, see above).
 - Martin Kracheel (for details, see above).