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Institute of Cognitive Science and Assessment (COSA)
Department of Behavioral and Cognitive Science (DBCS)
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Curriculum Vitae

Christine Schiltz

I. EDUCATION

- 2002-2004: Post-Doc, Neurophysiology Laboratory, Medical Faculty, University of Louvain, Belgium
- 1999-2001: Pedagogical training for secondary school teachers, 'Cours Universitaire', Luxembourg
- 1994-2000: PhD in 'Physical Education and Sports', Title 'Human skill learning studied with Positron Emission Tomography', University of Louvain, Belgium
- 1990-1994: Licence in 'Physical Education and Sports', University of Louvain, Belgium

II. PROFESSIONAL CAREER

- 2015-present: Professor for Cognitive Neuroscience, University of Luxembourg, Luxembourg
- 2003-2014: Associate Professor for Cognitive Neuroscience, University of Luxembourg, Luxembourg
- 2004-2007: Invited Associate Professor, Neurophysiology Laboratory, Medical Faculty, University of Louvain, Belgium
- 2002-2004: Post-Doctoral researcher, Neurophysiology Laboratory, Medical Faculty, University of Louvain, Belgium
- 2002-2003: Secondary school teacher for 'Physical Education and Sports', Lycée du Nord, Luxembourg
- 1999-2002: Secondary school teacher for 'Physical Education and Sports', Lycée Technique de Bonnevoie and Lycée Michel Rodange
- 1998-1999: Teacher in 'General Psychology' and 'Physical Education and Sports', 'Institute for Educational and Social Studies'

III. TEACHING

- Academic Bachelor of Psychology, FLSHASE, University of Luxembourg
Developmental Psychology III - Cognitive Neuroscience of Development (2007-), Cognitive Psychophysiology (2007-), Experimental Seminar – Co-supervision of a seminar group (2010-)
- Master of Psychology - Strand 'Evaluation and Assessment', FLSHASE, University of Luxembourg
Cognition (2009-)
- Master of Psychology - Strand 'Psychological Intervention', FLSHASE, University of Luxembourg
Learning and learning difficulties - Numeracy (2015-)
- Master in Secondary Education, FHSE, University of Luxembourg
Beitrag zu Ringvorlesung: Education. Beiträge aus Forschung und Praxis. Mathe und Sprache (21.02.2018; 13.03.2019), Beitrag zu Ringvorlesung: Diversität in luxemburgischen Sekundarschulen. Dyscalculia: Definition, Identification and Possible Actions (08.04.2020)
- Doctoral School in Educational Sciences (DES), FLSHASE, University of Luxembourg
Perspectives in Educational Neurosciences' (2012-2013), Journal Club on Numerical Cognition (2011-2013, 2017-)

Former teaching

- **2003-2004:** Teacher in life-long learning courses at the 'Institute for Educational Sciences and Pedagogical Research' in 'Pedagogy and Brain Sciences', 'Pedagogy of Physical Education and Sports'
- **1999-2003:** Secondary school teacher for 'Physical Education and Sports', Lycée Michel Rodange (1999-2002); Lycée Technique de Bonnevoie (2000-2002); Lycée du Nord à Wiltz (2002-2003)
- **1998-1999:** Teacher at the 'Institute for Educational and Social Studies' in 'General Psychology' and 'Physical Education and Sports'
- **1997-1999:** Assistant for practical exercises at the Psychology Faculty of the University of Louvain in 'Experimental Psychology'
- **1995-1999:** Assistant for practical exercises at the Medical Faculty of the University of Louvain in 'TP Neurophysiology'

IV. SUPERVISIONSupervision of Post-Doctoral fellowships

- Mila Marinova (2020-) 'Numerical cognition in a multilingual context'. Supervision of UL post-doc.
- Nicolas Masson (2020-) 'Spatial-numerical associations in mental arithmetic'. Supervision of FNRS-FNR INTER post-doc
- Talia Retter (2019-) 'Understanding the relationship between electrophysiological indexes of face perception with fast periodic visual stimulation and explicit behavioral measures'. Supervision of FNRS-FNR INTER post-doc
- Alette Lochy (2017-) 'Understanding the relationship between electrophysiological indexes of face perception with fast periodic visual stimulation and explicit behavioral measures'. Supervision of FNRS-FNR INTER post-doc & UL post-doc.
- Carrie Georges (2017-) 'Number-space interactions: development and individual differences'. Supervision of UL post-doc.
- Milena Dzhylyova (2016-2018) 'Understanding the relationship between electrophysiological indexes of face perception with fast periodic visual stimulation and explicit behavioral measures'. Supervision of FNRS-FNR INTER post-doc.
- Sabrina Aristei (2016-2020) 'Developmental Cognitive Neuroscience of reading'. Supervision of IRP-UL post-doc.
- Amandine van Rinsveld (2015-2016) 'Arithmetic in the bilingual brain'. Supervision of UL post-doc.
- Guillaume Mathieu (2014-2018) 'Neural markers of the Number Sense and their relationship to math ability at different stages of math development'. Supervision of post-doctoral AFR fellowship (2014-2016). 'Cognitive Aspects of Formal Argumentation'. Supervision of UL post-doc (2016-2018).
- Samuel di Luca (2014-2016). 'Visuo-spatial reorientation induced by numbers during a free visual scanning in healthy participants and hemi-neglect patients'. Supervision of post-doctoral AFR fellowship.
- Sandrine Mejias (2011-2014) 'Dyscalculia in young children: Investigating a complex pattern of (dis)abilities'. Supervision of UL post-doc (2011-2012), continued as post-doctoral AFR fellowship (2012-2014).
- Nina Bien (2011-2014) 'Space oddities: Exploring the impact of number space associations using TMS and EEG'. Co-supervision of post-doctoral AFR fellowship (2011-2014) with Prof. Alex Sack (Maastricht University).
- Christophe Mussolin (2010) 'The impact of numerical symbols on the number magnitude representation in young children.' Supervision of post-doctoral AFR fellowship.
- Anne-Marie Schuller (2009-2018) 'The relation between numerical and visuo-spatial processes studied by EEG and behavioral testing'. Supervision of UL post-doc (25% part-time).
- Valérie Goffaux (2008-2012) 'The relation between numerical and visuo-spatial processes studied by neuro-imaging and behavioral testing'. Co-supervision of IRP-UL post-doc with Prof. Romain Martin (EMACS, UL).

Supervision of PhD theses

- Véra Hilger (2020-) Diagnosing math learning disorder in a multilingual education context. Supervision of PhD thesis.
- Cintia Ertel (2019-2020) Reading in a third language and grade retention. A longitudinal study with Portuguese immigrant children in Luxembourg. Thesis started by Cintia Ertel in 2015, supervision of PhD thesis taken over in May 2019, PhD thesis defended 11.03.20.
- Rémy Lachelin (July 2019 -) The development of numerical cognition in a multilingual context. Supervision of PhD thesis.
- Anna Schmitt (November 2018-) Neural correlates of high-level visual processing in gifted persons: an EEG study with Fast Periodic Visual Stimulation.

- Janice Ebara (2017- 2018) The development of numerical cognition in a multilingual context. Supervision of PhD thesis. Thesis aborted in common agreement after one year in November 2018.
- Max Greisen (2016-2020) Assessing basic number competence without language instructions. Supervision of PhD thesis defended 31.01.20.
- Alexandre Poncin (2015-2019) The impact of language background on basic math competence. Supervision of PhD thesis defended 13.03.19.
- Charlotte Sosson (2013-2017) Number-Space interactions in hemi-neglect patients. Supervision of PhD thesis: thesis not defended.
- Carrie Georges (2013-2017) 'Number-space associations as indexed by the SNARC effect. Their relation to mathematical skills and anxiety & Their underlying cognitive mechanisms.' Supervision of PhD thesis defended 17.02.17.
- Dennis Croonenberg (2012-2016) 'Space by the Numbers: Attentional processes involved in Mathematical Cognition'. Co-supervision with Prof. Romain Martin (EMACS, UL). Supervision of PhD thesis defended 17.03.16.
- Amandine van Rinsveld (2012-2015) 'Do you speak numbers? The relation between language and numerical cognition through the prism of bilingualism and cross-linguistic investigations'. Supervision of PhD thesis defended 05.03.15.
- Danielle Hoffmann (2010-2013) 'Number and space, an event-related potential approach'. Supervision of PhD thesis defended 12.06.13.

Supervision of Academic Master theses in Psychology (FHSE/FLSHASE, University of Luxembourg)

2019-2020

- Kim Harpes. Der Effekt des Sprachenprofils auf die mathematischen Kompetenzen von Erstklässlern (Co-supervision Carrie Georges). Master in Psychology: Psychological Intervention.
- Sandra Grethen. Einfluss der Sprachenvielfalt und Erstsprache auf die Mathematikleistung bei Drittklässlern in Luxemburg. (Co-supervision Carrie Georges). Master in Psychology: Psychological Intervention.
- Amna Skrozic. A neural marker of ANS acuity: assessing number discrimination via frequency-tagging electroencephalography. (Co-supervision Carrie Georges). Master in Psychology: Psychological Intervention.
- Tamara Luxen. Age-related automatic word recognition in trilingual brains. (Co-supervision Sabrina Aristei). Master in Psychology: Psychological Intervention.
- Tonie Schweich. Is there a parallel activation of both languages when language processing is irrelevant to the behavioral task? (Co-supervision Sabrina Aristei). Master in Psychology: Psychological Intervention.
- Dzenita Kijamet. Giftedness and sensitivity to faces: An investigation on a neural and behavioral level. (Co-supervision Aliette Lochy). Master in Psychology: Psychological Intervention.
- Vera Hilger. Giftedness and neural sensitivity to word processing and reading. (Co-supervision Aliette Lochy). Master in Psychology: Psychological Intervention.

2017-2018

- Alison Adams. The Interaction of Mathematics Anxiety, Multilingual Learning, and Visual Aids in International Secondary Schools in Luxembourg
- Barbara Alexandra Da Costa Paulino. Mathematical Performance in Primary School: Specific Language Matters. (Co-supervision Max Greisen). Master in Psychology: Evaluation and Assessment.

2015-2016:

- Sophie Hoffmann. Attentional mechanisms involved in meditation and their implications for patients with acquired brain lesion. (Co-supervision Anne-Marie Schuller). Master in Psychotherapy.
- Julia Muller. The differential effects of 2D mental rotation skills, visuo-spatial working memory and grade on arithmetic and visuospatial mathematics in 3-4 graders. (Co-supervision Carrie Georges). Master in Psychology: Psychological Intervention.
- Sabina Dias Araujo. The effects of cognitive styles and spatial ability on two differential mathematical components in elementary children. (Co-supervision Carrie Georges). Master in Psychology: Psychological Intervention.
- Tiana Schauls. Vergleichende Pilotstudie zur differentiellen Effektivität eines mobilen Alpha- Frequenzbandtrainings in Bezug auf die Steigerung des Entspannungserlebens und der Aufmerksamkeitsleistung. (Co-supervision Gilles Michaux). Master in Psychology: Psychological Intervention.
- Changling Zhou. How Does Language Influence Numerical Processing of Primary School Children? (Co-supervision Amandine Van Rinsveld). Master in Psychology: Evaluation and Assessment.

2014-2015:

- Kyle Vanderpool. Number word irregularity and its effects on number processing of English and French speaking 5th graders living in Luxembourg. (Co-supervision Amandine Van Rinsveld). Master in Psychology: Evaluation and Assessment.

Supervision of Academic Bachelor theses in Psychology (FHSE/FLSHASE, University of Luxembourg)

2020-2021

- Ines Bröckel. *Forward testing effect (FTE) in a multilingual context.*
- Lucas Erassmy. Parity facilitates implicit learning of color and number associations. (Co-supervision Talia Retter)
- Henning Lütje. Format-independent parity processing. (Co-supervision Talia Retter)
- Denise Tamble. Proactive inferences in a multi-lingual context. (Co-supervision Bernhard Pastötter, University of Trier)

2019-2020:

- Julie Weis. The Role of spatial language in the development of early math skills. (Co-supervision Carrie Georges)
- Morgane Pereira De Almeida. Spatial language mediates the effect of the socioeconomic status on early mathematical abilities. (Co-supervision Carrie Georges)
- Nora Welter. The Achievement Motivation of Future Teachers Relating to their Attitudes Towards Statistical Evaluation Methods and their Prior Statistical Knowledge. (Co-supervision Jessica Levy)
- Anna Staib. What do future teachers think about evaluation methods and how does it relate to locus of control. (Co-supervision Jessica Levy)
- Laura Goergen. Der Zusammenhang von Angst zu unterrichten, Unterrichtserfahrungen und Meinung zu statistischen Evaluierungsmethoden bei angehenden Lehrkräften. (Co-supervision Jessica Levy)
- Mira Ostrowski. Visuelle Hilfe und Einfluss der Mutter- und Vatersprache in International Schools in Luxemburg. (Co-supervision Sophie Martini).
- Brenda Gilson. L'impact de la rétroaction chez l'adolescent à Haut Potentiel Intellectuel (HPI) versus non-HPI, dans un contexte des mathématiques. (Co-supervision Anna Schmitt)
- Laura Valmorbidia. The (dis)advantage of native bidialectalism. (Co-supervision Sabrina Aristei)
- Maria Aleksandrova. Impact de la langue dans la lecture de nombres arabes. (Co-supervision Alette Lochy)

2018-2019:

- Sophia Solvi. Die Meinung und das Vorwissen von angehenden Lehrkräften zu statistischen Evaluierungsverfahren. (Co-supervision Jessica Levy).
- Lisa Pansin. Verbale und visuell-räumliche Fähigkeiten: Wie wichtig sind sie für die verbalen Zahlenfähigkeiten? (Co-supervision Carrie Georges)

2017-2018:

- Adrien Nicolay. Can Fast Periodic Visual Stimulation help facilitate the rehabilitation of reading impaired bilingual patients? A Case Study. (Co-supervision Sabrina Aristei)
- Amna Skrozic. An investigation into the language status of the Luxembourgish vernacular by use of the picture word interference task. (Co-supervision Sabrina Aristei).
- Kelly Scholtes. Wie kann Mehrsprachigkeit bei Kindern vor Sprachfehlern schützen? Spracherwerb im mehrsprachigen Lehrsystem. (Co-supervision Sabrina Aristei).
- Katharina Schneider. Development of counting and transcoding abilities in first-graders in Luxembourg. (Co-supervision Max Greisen).
- Marc Dupont. Spatial language's effect on verbal math skills. (Co-supervision Carrie Georges)

2016-2017:

- Charlotte Ries. How does the brain resolve emotional conflict? Assessing the brains' resolving ability of emotional conflict with the help of steady-state visual evoked potentials. (Co-supervision Milena Dzhelyova)
- Julie Schiel. Die Rolle der frühen mathematischen und visuell-räumlichen Fähigkeiten bei Kindergartenkindern. (Co-supervision Véronique Cornu)
- Francesca Mildenberg. Arithmetic Strategies of Second Graders in Luxembourg. (Co-supervision Caroline Hornung)
- Tamara Vidoni. Embodied number cognition: A developmental study investigating the influence of head motion on number processing in adults and school-children. (Co-supervision Charlotte Sosson)

- Ken Schockweiler. The influence of virtually induced motion on arithmetical problem-solving abilities. (Co-supervision Charlotte Sosson)

2014-2015:

- Nuno De Matos. How are visual-spatial and early math abilities interlinked in kindergarten children? (Co-supervision Véronique Cornu)
- Anne-Sophie Pereira. Bilingualität bei Grundschulkindern: Ein Vorteil in der Inhibitionsfähigkeit und arithmetischen Leistungen? (Co-supervision Dr. Caroline Hornung)
- Amaia Olea. Arbeitsgedächtnisleistung und Inhibitionsfähigkeit bei mono- und bilingualen Grundschulkindern: Gibt es Unterschied und wie lassen diese sich interpretieren? (Co-supervision Dr. Caroline Hornung)

2013-2014:

- Joanne Schmit. Difference in Executive Functions in 7-to-8-year-old Monolingual and Bilingual Children: Are Bilingual Children always at Advantage? (Co-supervision Dr. Caroline Hornung)
- Jyll Duschinger. Der Einfluss der Mehrsprachigkeit auf die Exekutivfunktionen sieben- bis achtjähriger Kinder (Co-supervision Dr. Danielle Hoffmann)
- Marika Furio. Fostering 3-to-4-year old preschoolers counting skills (Co-supervision Dr. Caroline Hornung)
- Joana Cristina Dias Da Silva. Fostering 3-to-4-year old preschoolers counting skills (Co-supervision Dr. Danielle Hoffmann)

2012-2013:

- Laura Jäckels. Face recognition in six-year-olds.
- Miriam Buff. Gender differences in face perception tasks in 10 year-old children.
- Linda Romanovska. Gender differences in face perception in adolescents.
- Jessica Garlemant. How do children process horizontal and vertical orientations in faces?
- Matea Andrun. Der Prozess der Wahrnehmung von Gesichtern bei Jugendlichen von 13 - 19 Jahren.
- Claudine Feiereisen. Estimation abilities of large numerosities: A study exploring the numerical knowledge in first-grade children. (Co-supervision Dr. Sandrine Mejias)
- Huybrechts Isabelle. Entering symbolic number knowledge. Number and visual-spatial development. (Co-supervision Dr. Sandrine Mejias)
- Scheiwen Jessica. Der Einfluss der Sprache auf die Entwicklung von Zahlen bei bilingualen Jugendlichen und seine Entwicklung im Laufe der Schulzeit. (Co-supervision Amandine van Rinsveld)
- Eva Hoven. Der Einfluss der Sprache auf die Entwicklung von Zahlen bei bilingualen Jugendlichen und seine Entwicklung im Laufe der Schulzeit. (Co-supervision Amandine van Rinsveld)
- Brimaire Cheryl. Working memory capacity in bilingual schoolchildren. (Co-supervision Dr. Caroline Hornung)
- Verena Lilienthal. Attention and Numerical Processing in ADHD Children. (Co-supervision Dr. Anne-Marie Schuller)

2011-2012:

- Nathalie König. Reading assessment in multilingual environment. (Co-supervision Dr. Sonja Ugen)
- Myriam Speller. Number sense and number symbols in young children. (Co-supervision Dr. Sandrine Mejias)
- Theodora Banica. Explaining the SNARC: A Skanderberg between two properties of numbers. (Co-supervision Danielle Hoffmann)
- Jessica Storoni. Number symbols and space in elderly. (Co-supervision Danielle Hoffmann)
- Rea Kamber. A study of the SNARC effect in adolescents at the age of 16 years. (Co-supervision Danielle Hoffmann)
- Nicole Recklies. The role of the orientation of spatial frequency in face recognition in 6- to 35-year olds.

2010-2011:

- Marc Haas. Face perception in advanced age. (Co-supervision Dr. Valérie Goffaux)
- Carole Kerschen. A study of the SNARC in 2nd and 3rd grade primary school children. (Co-supervision Danielle Hoffmann)
- Lynn Palgen. A study of the SNARC in 5 year old preschool children. (Co-supervision Danielle Hoffmann)
- Anne Rumanyika. Face perception in adolescents. (Co-supervision Dr. Valérie Goffaux)
- Max Ruscitti. Les enfants autistes et la reconnaissance et la perception de visages. (Co-supervision Dr. Valérie Goffaux)
- Leila Yafrah. A study of the SNARC in 6 to 7 year old children. (Co-supervision Danielle Hoffmann)

2009-2010:

- Lis Fischbach. Computerised testing of 3 year olds' face processing. (Co-supervision Malorie Deboni)
- Christine Frisch. Visuo-spatial working memory in children: Are there any gender effects?

- Nathalie Kails. Development of face processing: Are there any gender effects in children? (Co-supervision Malorie Deboni)
- Paul Regenwetter. Sensitivity to second order relational properties of 4 year old children in “same/different” and “drag and drop” tasks. (Co-supervision Malorie Deboni)
- Sarah Schildgen. Les relations spatiales. Y-a-t-il des différences de genre chez les adultes?
- Carole Schlammes. The importance of horizontal information in face processing : A developmental perspective. (Co-supervision Dr. Valérie Goffaux)

2008-2009:

- Miriam Schmitz. Comparing the performances of young and elderly adults on a face perception task - The importance of general cognitive variables and the face inversion effect. (Co-supervision Malorie Deboni)
- Jhana Van Stipelen. Testing face perception abilities in younger and elderly adults - What if we grew older and everybody looked alike? (Co-supervision Malorie Deboni)

2007-2008:

- Eric Lowet. Numerical processes in normal children and children with dyscalculia, an fMRI study.
- Damien Marion. Configural face processing in young children. (Co-supervision Malorie Deboni)

Supervision of Teacher Training FOPED memoire (FLSHASE, University of Luxembourg)

2013:

- Sophie Reccia. Field: Psychology. « Et si nous descendions de la bicyclette pour nous regarder pédaler? » Projet d'action visant la compréhension des facteurs influençant l'apprentissage et la mise à l'épreuve d'une intervention stimulant l'autorégulation des stratégies d'apprentissage des élèves.

Supervision of internships

- Martine Stephany. Internship from 11/20 – 12/90 in the context of Master-Fernstudiengang „Psychologie kindlicher Lern- und Entwicklungsauffälligkeiten” (TU Kaiserslautern), Topic: Spatial attention orienting during arithmetic in children , Co-supervision by Nicolas Masson
- Lucas Erassmy. Internship from 08/20 – 09/90 in the context of Bachelor in Psychology (University of Luxembourg), Topic: Measuring automatic number processing in the brain, Co-supervision by Talia Retter
- Julie Lang. Internship from 03/19 – 09/19 in the context of Master2 in Biology, parcours Neurobiology, Neurosciences (Université Grenoble Alpes), Topic: Visual word recognition in multilinguals, Co-supervision by Sabrina Aristei
- Anya Attou. Internship 2017-2018 in the context of a Licence en Psychology (Université de Toulouse – Jean Jaurès), Topic: Number-language associations, Co-supervision by Alexandre Poncin
- Philippe Koulouris. Internship from 03/14 – 07/14 after Bachelor of Science in Psychology (University of Roehampton), Topic: Number-space associations, Co-supervision by Charlotte Sosson
- Delia Pigat. Internship from 11/11 – 03/12 in the context of Master in Psychology (UCL London), Topic: Number-space associations, Co-supervision by Danielle Hoffmann

V. PUBLICATIONS

Journal articles

- Battistutta, L., **Schiltz, C.**, Steffgen, G. (accepted) The Mediating Role of ADHD Symptoms and Emotion Regulation in the Association between Executive Functions and Internalizing Symptoms: A Study among Youths with and without ADHD and/or Dyslexia” (Advances in Neurodevelopmental Disorders)
- Retter, T. L., Jiang, F., Webster, M. A., Michel, C., **Schiltz, C.**, & Rossion, B. (2021). Varying Stimulus Duration Reveals Consistent Neural Activity and Behavior for Human Face Individuation. *Neuroscience*, 472, 138–156. <https://doi.org/10.1016/j.neuroscience.2021.07.025>
- Marlair, C., Lochy, A., Buyle, M., **Schiltz, C.**, & Crollen, V. (2021). Canonical representations of fingers and dots trigger an automatic activation of number semantics: An EEG study on 10-year-old children. *Neuropsychologia*, 157, 107874. <https://doi.org/10.1016/j.neuropsychologia.2021.107874>
- Meinhardt, A., Braeuning, D., Hasselhorn, M., Lonnemann, J., Moeller, K., Pazouki, T., **Schiltz, C.**, Jung, S. (2021). The development of early visual-spatial

abilities – considering effects of test mode. *Cognitive Development*, 16.

- Retter, T., Rossion, B., **Schiltz, C.**, (2021) Harmonic amplitude summation for frequency-tagging analysis. *J Cog Neurosci*, Jul 16;1-22. doi: 10.1162/jocn_a_01763
- Braeuning, D., Hornung, C., Hoffmann, D., Lambert, K., Ugen, S., Fischbach, A., **Schiltz, C.**, Hübner, N., Nagengast, B., & Moeller, K. (2021). Long-term relevance and interrelation of symbolic and non-symbolic abilities in mathematical-numerical development: Evidence from large-scale assessment data. *Cognitive Development*, 58, 101008. <https://doi.org/10.1016/j.cogdev.2021.101008>
- Georges, C., **Schiltz, C.** (2021) Number line tasks and their relation to arithmetics in second to fourth graders. *Journal of Numerical Cognition* Vol. 7 No.1. <https://doi.org/10.5964/jnc.6067>
- Guillaume¹, M., Poncin¹, A., **Schiltz², C.**, & Van Rinsveld², A. (2020) Measuring spontaneous and automatic processing of magnitude and parity information of Arabic digits by frequency-tagging EEG. (Equal contribution)^{1,2} *Sci Rep* 2020 Dec 17;10(1):22254. doi: 10.1038/s41598-020-79404-w
- Georges, C., Guillaume, M., **Schiltz, C.** (2020) A robust electrophysiological marker of spontaneous numerical discrimination *Sci Rep* Oct 27;10(1):18376. DOI: 10.1038/s41598-020-75307-y
- Georges, C., Cornu, V., & **Schiltz, C.** (2020). The importance of visuospatial abilities for verbal number skills in preschool: Adding spatial language to the equation. *Journal of Experimental Child Psychology*, 201, 104971, doi.org/10.1016/j.jecp.2020.104971.
- van de Walle de Ghelcke, A., Rossion, B., **Schiltz, C.**, & Lochy, A. (2020). Developmental changes in neural letter-selectivity: A 1-year follow-up of beginning readers. *Developmental Science*, n/a(n/a), e12999. <https://doi.org/10.1111/desc.12999>
- Jung, S., Meinhardt, A., Braeuning, D., Roesch, S., Cornu, V., Pazouki, T., **Schiltz, C.**, Lonnemann, J., & Moeller, K. (2020). Hierarchical Development of Early Visual-Spatial Abilities – A Taxonomy Based Assessment Using the MaGrid App. *Frontiers in Psychology*, 11. <https://doi.org/10.3389/fpsyg.2020.00871>
- Rinsveld, A. V., Guillaume, M., Kohler, P. J., **Schiltz, C.**, Gevers, W., & Content, A. (2020). The neural signature of numerosity by separating numerical and continuous magnitude extraction in visual cortex with frequency-tagged EEG. *Proceedings of the National Academy of Sciences*, 117(11), 5726–5732. <https://doi.org/10.1073/pnas.1917849117>
- van de Walle de Ghelcke, A., Rossion, B., **Schiltz, C.**, & Lochy, A. (2020). Impact of Learning to Read in a Mixed Approach on Neural Tuning to Words in Beginning Readers. *Frontiers in Psychology*, 10. <https://doi.org/10.3389/fpsyg.2019.03043>
- Guillaume, M., **Schiltz, C.**, & Rinsveld, A. V. (2020). NASCO: A New Method and Program to Generate Dot Arrays for Non-Symbolic Number Comparison Tasks. *Journal of Numerical Cognition*, 6(1), 129–147. <https://doi.org/10.5964/jnc.v6i1.231>
- Van Rinsveld, A., **Schiltz, C.**, Majerus, S., & Fayol, M. (2020). When one-two-three beats two-one-three: Tracking the acquisition of the verbal number sequence. *Psychonomic Bulletin & Review*, 27(1), 122–129. <https://doi.org/10.3758/s13423-019-01704-8>
- Dzhelyova, M., **Schiltz, C.**, & Rossion, B. (2020). The Relationship Between the Benton Face Recognition Test and Electrophysiological Unfamiliar Face Individuation Response as Revealed by Fast Periodic Stimulation. *Perception*, 49(2), 210–221.
- Lochy, A., **Schiltz, C.**, Rossion, B. (2019) The right hemispheric dominance for face perception in preschool children depends on visual discrimination level. *Developmental Science*. October 2019 DOI 10.1111/desc.12914
- Poncin, A., Van Rinsveld, A., & **Schiltz, C.** (2019) Units first or tens first: Does language matter when processing visually presented two-digit numbers? *Quarterly Journal of Experimental Psychology*, 1-13. <https://doi.org/10.1177/1747021819892165>
- Lochy, A., **Schiltz, C.** (2019) Lateralized neural responses to letters and digits in first graders. *Child Dev.* Nov;90(6):1866-1874. doi: 10.1111/cdev.13337
- Mejias, S., Muller, C., **Schiltz, C.** (2019) Assessing Mathematical School Readiness. *Front. Psychol.* 10:1173. doi: 10.3389/fpsyg.2019.01173
- Dzhelyova, M., Dormal, G., Jacques, C., Michel, C., **Schiltz, C.**, Rossion, B. (2019) High test-retest reliability of a neural index of rapid automatic discrimination of unfamiliar individual faces. *Visual Cognition*, 27(2), 127-14. DOI: 10.1080/13506285.2019.1616639
- Georges, C.¹, Cornu, V.¹, **Schiltz, C.** (¹equal contributions) (2019) Spatial Skills First: The Importance of Mental Rotation for Arithmetic Skill Acquisition. *Journal of Numerical Cognition*, Volume 5, issue 1
- Poncin, A., Van Rinsveld, A., & **Schiltz, C.** (2018) L'apprentissage de l'arithmétique chez les individus bilingues. *ANAE*
- Greisen, M., Hornung, C., Baudson, T. J., Müller, C., Martin, R., **Schiltz, C.** (2018) Taking language out of the equation: The assessment of basic math competence without language *Front. Psychol.*, 26 June 2018 | <https://doi.org/10.3389/fpsyg.2018.01076>
- Pazouki, T., Cornu, V., Sonnleitner, P., **Schiltz, C.**, Fischbach, A., Martin, R. (2018) Magrid: A language-neutral early mathematical training and learning application. *International Journal of emerging technologies in learning*. 13(08):4. doi: 10.3991/ijet.v13i08.8271

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Book chapters

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Submitted for publication

Marinova, M., Georges, C., Guillaume, M., Reynvoet, B., Van Rinsveld, A., Poncin, A., **Schiltz, C.** Are digits, number words, and dots automatically integrated: insights from frequency-tagged EEG

Lachelin, R., Van Rinsveld, A., Poncin, A., **Schiltz, C.** Number Transcoding in Bilinguals – A Transversal Developmental Study

Lochy, A., **Schiltz, C.** An input lexicon for familiar numbers

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Greisen, M., Georges, C., Hornung, C., Sonnleitner, P., **Schiltz, C.** Learning Mathematics with shackles: How lower reading comprehension in the language of mathematics instruction accounts for lower mathematics achievement in speakers of different home languages.

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Aristei S., Lochy, A., Rossion, R., **Schiltz, C.** A neural signature of automatic lexical access in bilinguals (Archived on BioRxiv)

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Ertel, C., Alieva, A., Hornung, C., **Schiltz, C.** Language and reading differences between promoted and retained immigrant children in a multilingual school system. A longitudinal study (pending before resubmission)

Citations

August 2021: **h-index: 26** (Papers: 73; Citations: 3246; Years: 23) – Source: Google Scholar

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VI. WORK PRESENTED AT INTERNATIONAL CONFERENCES AND WORKSHOPS

- Lachelin, R., Marinova, M., Schiltz, C. (2021) Semantic priming in bilingual number naming: one-digit numbers are slower to name and elicit weak semantic in the second language of learning mathematics (French) than the first (German). LuxEra Virtual Emerging Researchers Conference, 10-11th November
- Schmitt, A., Schiltz, C., Blanchette, J., Masson, S. Fischbach, A., Wollschläger, R. Neuromyths in education in a multilingual education system. LuxEra Virtual Emerging Researchers Conference, 10-11th November
- Lachelin, R., Van Rinsveld, A., Poncin, A, Schiltz, C. (2021) The development of bilingual number transcoding at different stages of language acquisition. International Symposium on Bilingual and L2 Processing in Adults and Children, 3rd-4th June, on-line meeting,
- Lachelin, R., Van Rinsveld, A., Poncin, A, Schiltz, C. (2021) The development of bilingual number transcoding at different stages of language acquisition. *Annual meeting of the BAPS*, 28 May 2021, Louvain-la-Neuve, Belgium.
- Marinova, M., Georges, C., Guillaume, M., Reynvoet, B., Van Rinsveld, A., Poncin, A., **Schiltz, C.** (2021) Are digits, number words, and dots automatically integrated: insights from frequency tagged EEG. 9th May 2021, 9th annual meeting of the Groupe de Contact – Numbers and the Brain, on-line meeting.
- Marlair, C., Lochy, A., Buyle, M., Schiltz, C., & Crollen, V. (2021). Canonical representations of fingers and dots trigger an automatic activation of number semantics: An EEG study on 10-year-old children. 9th May 2021, 9th annual meeting of the Groupe de Contact – Numbers and the Brain, on-line meeting.

2020

- Lachelin, R., Van Rinsveld, A., Poncin, A, Schiltz, C. (2020, November) The impact of language on numbers: bilingual effects of LM+ and LM- on one and two digit naming and access to number semantics at different ages of acquisition Paper presented at LuxERA Conference, 11-12 November, Esch-sur-Alzette, Luxembourg. (Oral presentation)
- Greisen, M., Georges, C., Hornung, C., Schiltz, C. (2020, November) Lower reading comprehension in the language of math instruction accounts for weaker math performances in non-native children in a multilingual education system Paper presented at LuxERA Conference, 11-12 November, Esch-sur-Alzette, Luxembourg. (Oral presentation)
- Lochy, A., Rossion, B., Schiltz, C. (2020, August) Using fast periodic EEG to track developing cortical specialization for face and word recognition. Paper accepted at the 43rd European Conference of Visual Perception (EVP2020), August 23-27, 2020 Zagreb, Croatia. (Oral presentation, cancelled due to COVID-19 outbreak)
- Martini, S. F., Saalbach, H., Schiltz, C., & Ugen, S. (2020, June). Switching language while solving math problems: Relation between language and math achievement on a bilingual math test. Paper accepted at MCLS2020, 27-29 June 2020, Dublin, Ireland. (Oral presentation, cancelled due to COVID-19 outbreak)
- Lachelin, R., Van Rinsveld, A., Poncin, A, Schiltz, C. (2020, June) Cognitive cost of two and single digit transcoding in LL2^{math} at different ages of acquisition. Poster accepted at MCLS2020 27-29 June 2020, Dublin, Ireland. (Poster presentation, cancelled due to COVID-19 outbreak)
- Lachelin, R., Van Rinsveld, A., Poncin, A, Schiltz, C. (2020, May) The development of bilingual number transcoding at different stages of language acquisition. International Symposium on Bilingual and L2 Processing in Adults and Children, May 28-29, 2020 Nijmegen, the Netherlands. (Poster presentation, cancelled due to COVID-19 outbreak)

2019

- Ertel Silva, C., Alieva, A., Hornung, C., & Schiltz, C. (2019, November). The effect of grade retention on reading skills of immigrant children in multilingual elementary school. A longitudinal study. Paper presented at LuxERA Emerging Researchers Conference, Esch-sur-Alzette, Luxembourg. (Oral presentation)
- Georges, C., & Schiltz, C. (2019) *Number line tasks and their relation to arithmetics in second to fourth graders*. Paper presented at LuxERA Emerging Researchers Conference, Esch-sur-Alzette, Luxembourg. (Oral presentation)
- Aristei, S. Lochy, A., Rossion B., Schiltz C. (2019, September) Languages never rest in the bilingual brain all languages are automatically activated when none is used.
- Georges, C., & Schiltz, C. (2019, September). Only unbounded number lines index numerical representation in school-aged children. Poster session presented at 21st Conference of the European Society for Cognitive Psychology (ESCoP), Tenerife, Spain. Paper presented at Annual conference of the European Society for Cognitive Psychology, (ESCoP) Tenerife, Spain. (Oral presentation)
- Greisen, M., Muller, C., Baudson, T., Hornung, C., Schiltz, C. (2019, September) Early nonverbal screening for math learning difficulties. Poster session presented at 21st Conference of the European Society for Cognitive Psychology (ESCoP), Tenerife, Spain.

- Lochy, A., Collette, E., Schelstraete, M.-A., Rossion, B., & Schiltz, C. (2019, September). Weaker neural responses to lexicality and word frequency in dyslexic adults: an EEG study with Fast Periodic Visual Stimulation. Paper presented at Annual conference of the European Society for Cognitive Psychology, (ESCOP) Tenerife, Spain. (Oral presentation)
- Lochy, A., van de Walle de Ghelcke, A., & Schiltz, C. (2019, September). Impact of teaching methods for reading on neural tuning to words in young poor readers. Poster session presented at Annual conference of the European Society for Cognitive Psychology (ESCOP), Tenerife, Spain.
- Lochy, A., Golinvaux, F., & Schiltz, C. (2019, May). Are dates processed like words rather than like numbers? A study of transposition priming effects. Poster session presented at annual meeting of the Belgian Association for Psychological Sciences, Liège, Belgium.
- van de Walle de Ghelcke, A., Rossion, B., Schiltz, C. & Lochy, A., (2019, September) Contributions of FPVS approach to understanding reading acquisition mechanisms. Poster session presented at 21st Conference of the European Society for Cognitive Psychology (ESCOP), Tenerife, Spain.
- Rinsveld, A. V., Guillaume, Poncin, A., Schiltz, C., Gevers, W., & Content, A. (2019, September). Unravelling the mechanisms of symbolic and non-symbolic magnitude discrimination with frequency-tagging EEG. Paper presented at Annual conference of the European Society for Cognitive Psychology, (ESCOP) Tenerife, Spain. (Oral presentation)
- Cipora, K., van Dijck, J.-P., Georges, C., Masson, N., Göbel, S., Willmes, K., Pesenti, M., Schiltz, C., & Nürk, H.-C. (2019, January). A minority pulls the sample mean: on the individual prevalence of robust group-level cognitive phenomena – the instance of the SNARC effect. Paper presented at Methods in Numerical Cognition Workshop, Budapest, Hungary. (Oral presentation)
- Lochy, A., Schiltz, C., & Rossion, B. (2019, January). Lateralization for faces in prereaders depends on the perceptual processing level: An EEG Fast Periodic Visual Stimulation study. Poster session presented at Experimental Psychology Society meeting, London, United Kingdom.

2018

- Greisen, M., Hornung, C., Martin, R., **Schiltz, C.** (2018) Screening early for math learning difficulties with a nonverbal cross-modal addition task. *Annual meeting of the BAPS*, 18 May 2018, Gent, Belgium.
- Poncin, A., Van Rinsveld, A. **Schiltz, C.** (2018) The order of tens and units in bilingual and monolingual two-digit number transcoding. *Annual meeting of the BAPS*, 18 May 2018, Gent, Belgium.
- Georges, C., Hoffmann, **Schiltz, C.** (2018) Is the SNARC effect a valid measure of numerical skills? Insights from its relation to mathematical abilities over the lifespan. The 1st Mathematical Cognition and Learning Society Conference, 8-9 April 2018, Oxford (UK). (Oral presentation)
- Mathieu, M., **Schiltz, C.**, Van Rinsveld, A. (2018) Generating non-symbolic stimuli: An extent to Piazza's (2004) method to control for non-numerical visual cues. The 1st Mathematical Cognition and Learning Society Conference, 8-9 April 2018, Oxford (UK)
- Cornu, V., Pazouki, T., **Schiltz, C.**, Fischbach, A., and Martin, R. (2018) Overcoming language barriers in early mathematics instruction with « MaGrid » - a language-neutral training tool for multilingual school settings. The 1st Mathematical Cognition and Learning Society Conference, 8-9 April 2018, Oxford (UK)
- Cipora, K., van Dijck, JP, Georges, C., Masson, N., **Schiltz, C.**, Pesenti, M., Willmes, K. & Nuerk, HC (2018) Minority pulls the sample mean: only about 35% of individuals reveal a consistent SNARC effect. European Workshop on Cognitive Neuropsychology, 21-26 January 2018, Bressanone, Italy
- Cornu, V., Pazouki, T., **Schiltz, C.**, Fischbach, T., Martin, R. Surmonter les barrières linguistiques avec « MaGrid » — un outil de formation de pré-mathématiques pour un contexte multilingue. 30^e colloque de l'ADMEE-Europe (Invited by organizing committee) 11.9.2017, University of Luxembourg, Belval, Luxembourg
- Greisen, M., Hornung, C., Martin, R., **Schiltz, C.** NUMTEST: Evaluation non verbale de compétences mathématiques de base. 30^e colloque de l'ADMEE-Europe (Invited by organizing committee) 11.9.2017, University of Luxembourg, Belval, Luxembourg

2017

- Poncin, A., Van Rinsveld, A., Guillaume, M., Rossion, B., & **Schiltz, C.** (2017) Are parity and magnitude status of Arabic digits processed automatically? An EEG study using the fast periodic visual stimulation. Workshop "Linguistic and Cognitive Influences on Numerical Cognition", 8-9 September, Tuebingen, Germany. (Best poster award)
- Greisen, M., Hornung, C., Martin, R., **Schiltz, C.** (2017) Project NUMTEST: Assessing basic number competence without language. Workshop "Linguistic and Cognitive Influences on Numerical Cognition", 8-9 September, Tuebingen, Germany.
- Cornu, V., **Schiltz, C.**, Martin, R., Hornung, C. The relevance of verbal and visuo-spatial abilities for verbal number skills – what matters in 5 to 6 year olds? Workshop "Linguistic and Cognitive Influences on Numerical Cognition", 8-9 September, Tuebingen, Germany.
- Georges, C., Cornu, V., **Schiltz, C.**, Spatial skills first: The importance of mental rotation for arithmetic skill acquisition. 20th Conference of the European Society for Cognitive Psychology (ESCoP), 3-6 September, 2017, Potsdam, Germany.

- Guillaume M, Mejias S, Rossion B, Dzhelyova M, **Schiltz C**. Number counts! An objective electrophysiological marker of non-symbolic number processing with Fast Periodic Visual Stimulation. 20th Conference of the European Society for Cognitive Psychology (ESCoP), 3-6 September, 2017, Potsdam, Germany.
- Aristei, S. Lochy., A., Rossion B., Dzhelyova M, **Schiltz C**. A task independent brain signature of multilingual early visual word recognition. 20th Conference of the European Society for Cognitive Psychology (ESCoP), 3-6 September, 2017, Potsdam, Germany.
- Rinsveld, A., Brunner, M., Landerl, K., **Schiltz, C.**, Ugen, S. (2017). Solving arithmetic problems in first and second language. The 17th Biennial EARLI Conference, August 2017, Tampere, Finland. (Oral Presentation – Invited Symposium)
- Poncin, A., Van Rinsveld, A., Guillaume, M., Rossion, B., & **Schiltz, C.** (2017) Are parity and magnitude status of Arabic digits processed automatically? An EEG study using the fast periodic visual stimulation. *Annual meeting of the BAPS*, May 2017, Brussels, Belgium.
- Guillaume, M., Mejias, S., Rossion, B., **Schiltz, C.** (2017) Assessing the cerebral correlates of non-symbolic number processing with fast periodic visual stimulation. *Annual meeting of the BAPS*, May 2017, Brussels, Belgium.
- Greisen, M., Hornung, C., Martin, R., **Schiltz, C.** (2017) Project NUMTEST: Assessing basic number competence without language. *Annual meeting of the BAPS*, May 2017, Brussels, Belgium.
- Van Rinsveld, A., Dricot, L., Guillaume, M., Rossion, B., **Schiltz, C.** (2017) Can bilingualism affect numerical cognition? New insights from the neural correlates of bilinguals' arithmetic problem solving. 8th annual meeting of the FNRS groupe de contact Numbers and the Brain, May 2017, Tournai, Belgium. (Oral Presentation)
- Poncin, A., Van Rinsveld, A., Guillaume, M., Rossion, B., **Schiltz, C.** (2017) Are parity and magnitude status of Arabic digits processed automatically? An EEG study using the fast periodic stimulation paradigm. Workshop « The origins of numerical abilities: the future », 22-23 February, 2017, The Royal Society, London, United Kingdom
- Guillaume, M., Mejias, S., Rossion, B., **Schiltz, C.** (2017) Assessing the cerebral correlates of non-symbolic number processing with Fast Periodic Visual Stimulation Workshop « The origins of numerical abilities: the future », 22-23 February, 2017, The Royal Society, London, United Kingdom
- Greisen, M., Hornung, C., Martin, R., **Schiltz, C.** (2017) Assessing basic number competence without language. Workshop « The origins of numerical abilities », 20-21 February, 2017, The Royal Society, London, United Kingdom

2016

- Georges, C., Hoffmann, D. Martin, R., **Schiltz, C.** (2016) Age modulates the relation between number-space associations and arithmetical abilities in elementary school children. Expert Meeting Benelux, Mathematical Research, 30 September, 2016, Nijmegen, The Netherlands.
- Poncin, A., Van Rinsveld, A., and **Schiltz, C.** (2016) Units first or tens first: Does language matter when processing visually presented two-digit numbers? Expert Meeting Benelux, Mathematical Research, 30 September, 2016, Nijmegen, The Netherlands.
- Cornu, V., Hornung, C., **Schiltz, C.**, Martin, R. (2016) Different aspects of spatial skills and their relation to early mathematics. Workshop "Domain-General and Domain-Specific Foundations of Numerical and Arithmetic Processing", September 28-30, 2016, Tübingen Germany
- Schuller, A.-M., Di Luca, S. Sosson, C., and **Schiltz, C.** (2016) Number judgment performance is modulated by task in a case of number alexia. 23rd annual meeting of the cognitive neuroscience society, April 2-5, 2016, New York, USA
- Di Luca, S. Girelli, L., Valar, G., Pesenti, M., Elvio, B., Schuller, A.-M. and **Schiltz, C.** (2016) Cancellation tasks, numbers and tablet PCs: The perfect link for clinical and experimental purposes. 23rd annual meeting of the cognitive neuroscience society, April 2-5, 2016, New York, USA
- Poncin, A., Van Rinsveld, A., and **Schiltz, C.** (2016) Units first or tens first: Does language matter when processing visually presented two-digit numbers? 23rd annual meeting of the cognitive neuroscience society, April 2-5, 2016, New York, USA
- Van Rinsveld, A., Dricot, L., Guillaume, M., and **Schiltz, C.** (2016) Can bilingualism affect numerical cognition? New insights from the neural correlates of bilinguals' arithmetic problem solving. 58th Conference of Experimental Psychologists (TEAP), March 21-23 2016, Heidelberg, Germany. Oral presentation – Invited Symposium.
- Sosson, C., Schuller, A.-M., DiLuca, S., Guillaume, M., Schuller, A.-M., **Schiltz, C.** (2016) Cardinal and ordinal processing in spatial neglect. 34th European Workshop on Cognitive Neuropsychology, 24-29 January 2016, Bressanone, Italy
- DiLuca, S., Schuller, A.-M. Sosson, C., **Schiltz, C.** (2016) Additive effects of TENS stimulation and Numbers on Neglect patients. 34th European Workshop on Cognitive Neuropsychology, 24-29 January 2016, Bressanone, Italy

2015

- Georges, C., Hoffmann, D. Martin, R., **Schiltz, C.** (2015) Math anxiety is predicted by the strength of number-space associations, over and beyond arithmetic ability and WM. NeuroEducation of Number Processing, Workshop, October, 21-23, 2015, Hannover, Germany

- Di Luca, S. and Schiltz, C. (2015) Contextual vs. numeric visuospatial reorientation during cancellation tasks. *Cognitive Processing*. (Suppl 1), International Conference on Spatial Cognition, 7-11 September 2015, Rome, Italy
- Georges, C., Hoffmann, D., **Schiltz, C.** (2015) The link between number-space associations and visuospatial abilities depends on cognitive style *Cognitive Processing*. (Suppl 1), International Conference on Spatial Cognition, 7-11 September 2015, Rome, Italy
- Sosson, C., Guillaume, G., Schuller, A., **Schiltz, C.** (2015) Does body motion influence arithmetic problem solving? *Cognitive Processing*. (Suppl 1), International Conference on Spatial Cognition, 7-11 September 2015, Rome, Italy
- Guillaume, M., Mejias, S., Rossion, B., **Schiltz, C.** (2015) Assessing the cerebral correlates of number processing with Fast Periodic Visual Stimulation. Annual meeting OHBM, 14-18th June, Honolulu, Hawaii.
- Van Rinsveld, A., Dricot, L., Guillaume, M., **Schiltz, C.** (2015) Functional connectivity and structural differences between bilingual and monolingual brains: implications for arithmetic problem solving. Annual meeting OHBM, 14-18th June, Honolulu, Hawaii.
- Georges, C., Hoffmann, D., **Schiltz, C.** (2015) Number-space associations depend on inhibition capacities in atypical young adults with attention-deficit/hyperactivity disorder. 7th Expert Meeting on Mathematical Thinking and Learning, April 10th, Nijmegen, The Netherlands
- Van Rinsveld, A., Dricot, L., Guillaume, M., Rossion, B., **Schiltz, C.** (2015) Arithmetic in the bilingual brain: an fMRI study. International Conference of Psychological Sciences – ICPS, 12-14th March, Amsterdam, The Netherlands. Oral presentation – Invited Symposium.
- Sosson, C., Guillaume, G., Schuller, A., **Schiltz, C.** Does body motion influence arithmetic (2015) International Conference of Psychological Sciences – ICPS, 12-14th March, Amsterdam, The Netherlands.
- Georges, C., Hoffmann, D., **Schiltz, C.** (2015) Inhibitory control influences the SNARC effect, but only in tasks without explicit reference to numerical magnitude International Conference of Psychological Sciences – ICPS, 12-14th March, Amsterdam, The Netherlands.
- Croonenberg, D., Martin, R., Schiltz, C. (2014) Masked Magnitude: the Influence of Masked Arabic Digits on Line Bisection. International Conference of Psychological Sciences – ICPS, 12-14th March, Amsterdam, The Netherlands.

2014

- Schiltz, C.**, Van Rinsveld, A., Ugen, S. (2014) Language influences number processing: the case of bilingual Luxembourg. 12th Biannual Conference of the German Cognitive Science Society. September 29th - October 2nd, Tübingen, Germany. Oral presentation - Invited Symposium.
- Georges, C., Hoffmann, D., **Schiltz, C.** (2014) Different number-processing tasks entail qualitatively different SNARC effects. Workshop “Educational Neuroscience of Mathematics”, October 3-4, Tübingen, Germany
- Croonenberg, D., De Graaf, T., Sack, A., Martin, R., Schiltz, C. (2014) Task-irrelevant numbers influence conscious perception during binocular rivalry. Workshop “Educational Neuroscience of Mathematics”, October 3-4, Tübingen, Germany
- Georges, C., Hoffmann, D., **Schiltz, C.** (2014) Cognitive style influences number-space associations. Annual Meeting of the Belgian Association for Psychological Science – BAPS, May 27th, Leuven, Belgium
- Goffaux, V., Poncin, A., **Schiltz, C.** (2014) Selectivity of face perception to horizontal information over lifespan (from 6 to 74 year old). Annual Meeting of the Belgian Association for Psychological Science – BAPS, May 27th, Leuven, Belgium
- Van Rinsveld, A., Dricot, L., Guillaume, M., Rossion, B., **Schiltz, C.** Arithmetic in the bilingual brain. Annual Meeting of the Belgian Association for Psychological Science – BAPS, May 27th, Leuven, Belgium. Oral presentation
- Croonenberg, D., De Graaf, T., Sack, A., Martin, R., Schiltz, C. (2014) Task-irrelevant numbers influence conscious perception during binocular rivalry. Annual Meeting of the Belgian Association for Psychological Science – BAPS, May 27th, Leuven, Belgium.
- Di Luca, S., Pesenti, M., Schiltz, C., Van Belle, G. (2014) Canonical finger numeral configurations are perceived holistically. Annual Meeting of the Belgian Association for Psychological Science – BAPS, May 27th, Leuven, Belgium.
- Mejias, S., Rossion, B., **Schiltz, C.** (2014) The development of number symbol processing: A fast periodic visual stimulation study. Quatrième colloque scientifique de l’Association pour la recherche en neuroéducation. Mai 26-27, Caen, Basse-Normandie, France.
- Croonenberg, D., De Graaf, T., Sack, A., Martin, R., Schiltz, C. (2014) Task-irrelevant numbers influence conscious perception during binocular rivalry. 6th Expert Meeting on Mathematical Thinking and Learning, April 4th, Leiden, The Netherlands
- Sosson, C., Guillaume, G., Van Rinsveld, A., Schuller, A., Schiltz, C. (2014) The influence of body motion on random number generation. 6th Expert Meeting on Mathematical Thinking and Learning, April, 4th Leiden, The Netherlands
- Di Luca, S., Pesenti, M., Schiltz, C., Van Belle, G. (2014) Canonical finger numeral configurations are perceived holistically. 6th Expert Meeting on Mathematical Thinking and Learning, April 4th, Leiden, The Netherlands

- Ugen, S, Van Rinsveld, A., **Schiltz, C.**, Brunner, M. (2014) The impact of language on mathematical problem solving in German-French bilinguals. 6th Expert Meeting on Mathematical Thinking and Learning, April, 4th Leiden, The Netherlands
- Mejias, S., Rossion, B., **Schiltz, C.** (2014) Discrimination of Numerosities in children studied by means of Fast Periodic Visual Stimulation. 21st Annual Meeting of the Cognitive Neuroscience Society, April 5-8, 2014, Boston, USA
- Georges, C., **Schiltz, C.**, Hoffmann, D. (2014) Task instructions determine the visuo-spatial and verbal-spatial nature of number-space associations. 21st Annual Meeting of the Cognitive Neuroscience Society, April 5-8, 2014, Boston, USA
- Van Rinsveld, A., **Schiltz, C.**, Ugen, S. (2014) The effect of languages on the production and recognition of numbers in German-French bilinguals. 21st Annual Meeting of the Cognitive Neuroscience Society, April 5-8, 2014, Boston, USA

2013

- Poncin, A., **Schiltz, C.**, Goffaux, V. (2013) Selectivity of face perception to horizontal information over lifespan (from 6 to 74 year old). Christmas AVA conference, 9-10th December, Leuven, Belgium.
- Bien, N., Sack, A. T., **Schiltz, C.** (2013) Investigating the links between spatial-numerical interactions and sequence processing using patterned TMS. 43rd annual meeting SFN, November 9-13, San Diego, USA
- Georges, C., Hoffmann, D., **Schiltz, C.** (2013) The SNARC effect and its relationship to spatial abilities in women. Workshop "Development of numerical processing and language. From neurocognitive foundations to educational applications", October 7-8, Tübingen, Germany
- Mejias, S., **Schiltz, C.** (2013) Estimation abilities of large numerosities in preschool children. Workshop "Development of numerical processing and language. From neurocognitive foundations to educational applications", October 7-8, Tübingen, Germany
- Mejias, S., Rossion, B., **Schiltz, C.** (2013) How the human brain discriminates numerosities: A steady-state visual-evoked potentials study. Neuropsychology Workshop, September 9-11, Leuven, Belgium
- Georges, C., Hoffmann, D., **Schiltz, C.** (2013) The SNARC effect and its relationship to spatial abilities in women. 8th Conference of the European Society for Cognitive Psychology, August 29th – September 1st, Budapest, Hungary
- Mejias, S., Rossion, B., **Schiltz, C.** (2013) How the human brain discriminates numerosities: A steady-state visual-evoked potentials study. 19th annual meeting OHBM, June 16-20, Seattle, USA
- Mejias, S., Rossion, B., **Schiltz, C.** (2013) How the human brain discriminates numerosities: A steady-state visual-evoked potentials study. Annual Meeting of the Belgian Association for Psychological Science – BAPS, May 28th, Louvain-la-Neuve, Belgium
- Van Rinsveld, A., Brunner, M., Landerl, K., **Schiltz, C.**, Ugen, S. (2013) The Influence of Language on Additions in Bilinguals. Annual Meeting of the Belgian Association for Psychological Science – BAPS, May 28th, Louvain-la-Neuve, Belgium. Oral presentation
- Van Rinsveld, A., Brunner, M., Landerl, K., **Schiltz, C.**, Ugen, S. (2013) The influence of language on additions in bilingual adults. 20th Annual Meeting CNS, April 13-16, San Francisco, USA
- Bien, N, Van der Horst, A., Sack, A.T., **Schiltz, C.** (2013) Do the mental number line and spatial sequence synesthesia share neural substrates? 5th Expert Meeting on Mathematical Thinking and Learning, March 1st, Luxembourg. Oral presentation
- Mejias, S., **Schiltz, C.** (2013) Estimation abilities of large numerosities in preschool children: Do they depend on school grade and socio-economic background? 5th Expert Meeting on Mathematical Thinking and Learning, March 1st, Walferdange, Luxembourg
- Croonenberg, D., Martin, R., Schiltz, C. (2013) Differential network-activations in adults, typical children and children with developmental dyscalculia. 5th Expert Meeting on Mathematical Thinking and Learning, March 1st, Walferdange, Luxembourg
- Hoffmann, D., Pigat, D., Schiltz, C. (2013) The impact of inhibition capacities on number-space associations. 5th Expert Meeting on Mathematical Thinking and Learning, March 1st, Walferdange, Luxembourg
- Van Rinsveld, A., Brunner, M., Landerl, K., **Schiltz, C.**, Ugen, S., (2013) The influence of language on exact additions in bilingual pupils and adults. 5th Expert Meeting on Mathematical Thinking and Learning, March 1st, Walferdange, Luxembourg
- Hoffmann, D., Pigat, D. and **Schiltz, C.** (2013) The impact of inhibition capacities on number-space associations in young and elderly adults. Interactions between space, time and number: 20 years of research. 26th February 2013, Paris

2012

- Hoffmann, D., Goffaux, V., Schuller, A., Martin, R., **Schiltz, C.** (2012) Behavioral, EEG and fMRI investigations of number-space interactions: When numbers act as attentional cues. *Cognitive Processing*. 13 (Suppl 1). 42---43, International Conference on Spatial Cognition, 4-8 September 2012, Rome, Italy. Oral presentation
- Hoffmann, D., Mussolin, C., **Schiltz, C.** (2012) The interaction between number and space processing and math achievement in adults. *Cognitive Processing*. 13 (Suppl 1). 60, International Conference on Spatial Cognition, 4-8 September 2012, Rome, Italy

- Goffaux, V., Duecker, F., **Schiltz C.**, Goebel, R. (2012) Orientation tuning for faces in the Fusiform Face Area and Primary Visual Cortex. European Conference on Visual Perception, 2-6 September 2012, Alghero, Italy - Oral presentation
- Schiltz, C.** (2012) Attentional shifts induced by uninformative number symbols modulate neural activity in human occipital cortex. Workshop "Making Sense of Numbers", Oxford University, 17th July 2012, Oxford, United Kingdom – Invited oral presentation
- Croonenberg., D., Martin, R., **Schiltz, C.** Differences between Dyscalculic children, Typical Children and Adults during a Visuo-Spatial and Addition task. Workshop "Making Sense of Numbers", Oxford University, 17th July 2012, Oxford, United Kingdom
- Mejias, S., **Schiltz, C.** Estimation abilities of large numerosities in preschool children. Workshop "Making Sense of Numbers", Oxford University, 17th July 2012, Oxford, United Kingdom
- Hoffmann, D., Hornung, C., Martin, R., **Schiltz, C.** (2012) A developmental investigation of the SNARC effect using a colour discrimination task. Workshop "Making Sense of Numbers", Oxford University, 17th July 2012, Oxford, United Kingdom
- Ugen, S., Van Rinsveld, A., **Schiltz, C.**, Landerl, K., Brunner, M. (2012) The effect of language and mode on two-digit magnitude judgments in German-French bilingual adults. Workshop "Making Sense of Numbers", Oxford University, 17th July 2012, Oxford, United Kingdom
- Van Rinsveld, A., Ugen, S., **Schiltz, C.**, Landerl, K., Brunner, M. (2012) How does language affect numerical processing? The role of the teaching language on two-digit magnitude judgments in German-French bilingual 7- to-11 graders. Meeting of the EARLI SIG 22- 2012 Neuroscience and education, 24-26 May 2012, London, England
- Hoffmann, D., Hornung, C., Mussolin, C., Martin, R., **Schiltz, C.** (2012) A developmental investigation of the SNARC effect using a colour discrimination task. Annual Meeting of the Belgian Association for Psychological Science – BAPS-SEPEX joint meeting, 9-10 May 2012, Liège, Belgium
- Bien, N, Van der Horst, A., Sack, A.T., **Schiltz, C.** (2012) Do the mental number line and spatial sequence synesthesia share neural substrates? A patterned TMS study. Annual Meeting of the Belgian Association for Psychological Science – BAPS-SEPEX joint meeting, 9-10 May, 2012, Liège, Belgium
- Van Rinsveld, A., Ugen, S., **Schiltz, C.**, Landerl, K., Brunner, M. (2012) The impact of language on concrete magnitude judgments from unbalanced bilingual 7-to-11graders to balanced bilingual adults in German and French. Annual Meeting of the Belgian Association for Psychological Science – BAPS-SEPEX joint meeting, 9-10 May 2012, Liège, Belgium. Oral presentation
- Hoffmann, D., Mussolin, C., **Schiltz, C.** (2012) The SNARC effect – Does it depend on the level of mathematical training? 4th Expert meeting on Mathematical Thinking and Learning, 10th February 2012, Leuven, Belgium. Oral presentation
- Schuller, A., Hoffmann, D. Schiltz, C. (2012) Shifts of spatial attention cued by irrelevant numbers: Electrophysiological evidence from a target discrimination task. 4th Expert meeting on Mathematical Thinking and Learning, 10th February 2012, Leuven, Belgium
- Van Rinsveld, A., Ugen, S., Schiltz, C., Landerl, K., Brunner, M. (2012) The effect of number syntax on two-digit magnitude judgments in German-French bilinguals. 4th Expert meeting on Mathematical Thinking and Learning, 10th February 2012, Leuven, Belgium

2011

- Goffaux, V., **Schiltz, C.**, Jacques, C. (2011) Scrambling horizontal face structure: behavioral and electrophysiological evidence for a tuning of visual face processing to horizontal information. 34th European Conference on Visual Perception, August 28 - September 1, 2011, Toulouse, France
- Hoffmann, D., Hornung, C., Mussolin, C., Schiltz, C. (2011). Developing number-space associations: SNARC effects in a color discrimination task in 11-year-olds. 15th European Conference on Developmental Psychology, August 23rd - 27th, 2011, Norway. Bergen
- Goffaux, V., van Zon, J., Hestermann, D. **Schiltz, C.** (2011) Contribution of Spatial Frequency and Orientation to upright and inverted face perception. 11th Annual Meeting of the Vision Sciences Society, May 6-11, 2011, Naples, USA
- Jacques, C., **Schiltz, C.**, Collet, K., ten Oever, S., Goffaux, V. (2011) Scrambling horizontal face structure: behavioral and electrophysiological evidence for a tuning of visual face processing to horizontal information. 11th Annual Meeting of the Vision Sciences Society, May 6-11, 2011, Naples, USA
- Hoffmann, D., Mussolin, C., **Schiltz, C.** (2011) The SNARC effect – Does it depend on the level of mathematical training? Annual Meeting of the Belgian Association for Psychological Science, May 27, 2011, Ghent, Belgium
- Mussolin, C., **Schiltz, C.** (2011) Interactions between number and space processing in adults with dyscalculia. Annual Meeting of the Belgian Association for Psychological Science, May 27, 2011, Ghent, Belgium
- Schuller, A., Hoffmann, D. **Schiltz, C.** (2011) Shifts of spatial attention cued by irrelevant numbers: Electrophysiological evidence from a target discrimination task. 18th Annual Meeting of the Cognitive Neuroscience Society, April 2-5, 2011, San Fransisco, USA
- Hoffmann, D., Goffaux, V., **Schiltz, C.** (2011) Facilitation and inhibition of return using numbers as attentional cues. 18th Annual Meeting of the Cognitive Neuroscience Society, April 2-5, 2011, San Fransisco, USA

- Hoffmann, D., Goffaux, V., Schiltz, C. (2011) Facilitation and inhibition of return using numbers as attentional cues. 3rd Expert Meeting on Mathematical Thinking and Learning, February 11, 2011, Ghent Belgium . Oral presentation
- Hornung, C., Brunner, M., **Schiltz, C.**, Martin, R. (2011) Longitudinal predictors of early mathematics: Number-specific versus domain-general mechanisms? 3rd Expert Meeting on Mathematical Thinking and Learning, February 11, 2011, Ghent Belgium
- Goffaux, V. Hoffmann, D., Martin, R. **Schiltz, C.** (2011) When numbers act as attentional cues: behavioral and fMRI investigations 3rd Expert Meeting on Mathematical Thinking and Learning, February 11, 2011, Ghent Belgium - Oral presentation

2010

- Goffaux, V., Dormal, G., Goebel, R., Martin, R., & **Schiltz, C.** (2010). *The neuronal correlates of visuo-spatial attentional shifts induced by irrelevant numerical cues: An fMRI study*. 16th annual meeting, OHBM, Barcelona, Spain.
- Hoffmann, D., Goffaux, V., **Schiltz, C.** (2010) *Attentional shifts due to irrelevant numerical cues: Behavioral investigation of a lateralized target discrimination paradigm*. Annual meeting of the Belgian Society for Psychology, BAPS, Brussels, Belgium.
- Schiltz, C.**, Dormal, G., Goebel, R., Martin, R., & Goffaux, V. (2010). *Attentional shifts due to irrelevant numerical cues: Behavioral investigation of a lateralized target discrimination paradigm*. *J Vis 2*, 2010 10(7): 235; doi:10.1167/10.7.235
- Goffaux, V., **Schiltz, C.**, & Goebel, R. (2010). *Right middle fusiform gyrus processes facial features interactively: Evidence from a balanced congruency design*. *J Vis 2*, 2010 10(7): 668; doi:10.1167/10.7.668
- Bukowski, H., Rossion, B., **Schiltz, C.**, Hanseeuw, B., & Dricot, L. (2010) *Cerebral lateralization of the face-cortical network in left-handers: only the FFA does not get it right*. *J Vis 2*, 2010 10(7): 659; doi:10.1167/10.7.659
- Dricot, L., Hanseeuw, B., **Schiltz, C.**, & Rossion, R. (2010) *Characterizing the face processing network in the human brain: a large-scale fMRI localizer study*. *J Vis 2*, 2010 10(7): 658; doi:10.1167/10.7.658

Up to 2009

- Martin, R., & **Schiltz, C.** (2009). *Is the cerebral processing of categorical and coordinate spatial relations based on different or identical but differentially activated functional networks?* *Cognitive Processing*, 10 (Suppl 2), 144.
- Deboni, M., de Heering, A., Rossion, B., & **Schiltz, C.** (2009). *From young children to elderly people: The contribution of cognitive variables in explaining improvement in a face perception task*. Paper presented at the Cogevo, Rovereto, Italy.
- Goffaux, V., Peters, J., Haubrechts, J., **Schiltz, C.**, Jansma, B., & Goebel, R. (2009). *Temporal dynamics of face spatial frequency processing: An fmri masking experiment*. Paper presented at the Vision Sciences Society, Naples, Florida, USA.
- Wantz, M., Reuter, B., Martin, R., Brunner, M., **Schiltz, C.** (2009) *Relations between numerical and visuospatial competencies*. Paper presented at the 19th EECERA Annual Conference: Diversities in early childhood education, Strasbourg, France
- Wantz, M., Brunner, M., Martin, R., **Schiltz, C.** (2008) *Gender and mathematical competencies!?* Paper presented at the 18th EECERA Annual Conference: Diversities in early childhood education, Stavanger, Norway.
- Wantz, M., Martin, R., **Schiltz, C.** (2007) *Numerical competencies of young children*. Paper presented at the 17th EECERA Annual Conference: Diversities in early childhood education, Prague, Czech Republic.
- Dricot, L., **Schiltz, C.**, Sorger, B., Goebel, R., & Rossion, B. (2007). *Fmri evidence for multiple face processing pathways in the human brain*. Paper presented at the Vision Science Society. Naples, Florida, USA.
- Schiltz, C.**, Jacques, C., & Rossion, B. (2007). *The spatio-temporal correlates of holistic face perception*. Paper presented at the Vision Science Society. Naples, Florida, USA.
- Goffaux, V., Sorger, B., **Schiltz, C.**, Goebel, R., & Rossion, B. (2007). Investigation of featural versus configural processing of faces in the middle fusiform gyrus. *Journal of Vision*, 7(9), 625a. Paper presented at the Vision Science Society. Naples, Florida, USA.
- Schiltz, C.**, & Martin, R. (2006). *Shared attentional and perceptive processes among visuo-spatial working memory and quantity processing*. Paper presented at the 12th annual meeting, OHBM, Florence.
- Dricot, L., **Schiltz, C.**, Sorger, B., Goebel, R., & Rossion, B. (2006). *Preserved individual face discrimination in the ventral lateral occipital complex (vloc) of a brain-damaged prosopagnosic patient*. Paper presented at the 12th annual meeting, OHBM, Florence, Italy.
- Martin, R., **Schiltz, C.**, Wantz, M., & Houssemand, C. (2006). *Visuo-spatial working memory and spatial attention shifting: Same or different functional networks?* Paper presented at the EWOMS-3 meeting (Third European Working Memory Symposium), Genoa, Italy.
- Schiltz, C.**, & Rossion, B. (2005). *Faces are processed holistically in the right middle fusiform gyrus*. Paper presented at the Vision Science Society, Naples, Florida, USA. Oral Presentation

- Schiltz, C.,** Caldara, R., Sorger, B., Goebel, R., Mayer, E., & Rossion, B. (2004a). *Do face-sensitive responses in the occipital inferior cortex of normal humans arise from inputs coming from the fusiform gyrus? Evidence from neuroimaging studies of brain-damaged prosopagnosic patients.* Paper presented at the Organization of Human Brain Mapping.
- Schiltz, C.,** Sorger, B., Caldara, R., Ahmed, F., Mayer, E., Goebel, R., & Rossion, B. (2004b). *Neuroimaging studies of a brain-damaged prosopagnosic patient reveal a critical role of the right fusiform gyrus in individual face discrimination.* Paper presented at the Organization of Human Brain Mapping.
- Sorger, B., **Schiltz, C.,** Caldara, R., Kriegeskorte, N., Mayer, E., Rossion, B. (2004). *Functional neuroanatomy of the visual system in a prosopagnosic.* Paper presented at the Organization of Human Brain Mapping.
- Schiltz, C.,** Sorger, B., Caldara, R., Ahmed, F., Mayer, E., Goebel, R., & Rossion (2004) A critical role of the right fusiform gyrus in individual face discrimination: Evidence from neuroimaging studies of a prosopagnosic patient. Paper presented at the Annual Meeting of the Vision Science Society. Oral presentation.
- Rossion, B., Sorger, B., **Schiltz, C.,** Caldara, R., Mayer, E., & Goebel, R. (2003). *Face-sensitive responses in the occipital inferior cortex of normal humans through feedback inputs from the fusiform gyrus? Evidence from neuroimaging studies of brain-damaged prosopagnosic patient.* Paper presented at the Annual Meeting of the Vision Science Society.
- Schiltz, C.,** Erkes, J., Rossion, B., DeVolder, A., & Crommelinck, M. (2001). *Rcbf changes induced by learning arbitrary visuomotor associations during a mapping task.* Paper presented at the Society for Cognitive Neuroscience.
- Rossion, B., **Schiltz, C.,** Robaye, L., Pirenne, D., Bruyer, R., Devolder, A., et al. (1999). The neural basis of human face categorization: A parametric pet study. 5th annual meeting of the Organization for Human Brain Mapping, 9, S865.
- Schiltz, C.,** Bodart, J. M., Dubois, S., Michel, C., Orban, G. A., Roucoux, A., et al. (1998). *The effects of training in a visuo-motor task on the rcbf in the human brain: A pet study.* Paper presented at the 4th annual meeting of the Organization of Human Brain Mapping.
- Schiltz, C.,** Bodart, J. M., Dubois, S., Dejardin, S., Michel, C., Orban, G. A., et al. (1997). A pet study of visual orientation discrimination: The effect of orientation-specific training on cerebral activity. *Acta Neurologica Belgica* (pp. 59-60). Oral Presentation
- Dubois, S., Rossion, B., **Schiltz, C.,** Bodart, J. M., Dejardin, S., Michel, C., et al. (1997). *Specific activation related to proper name retrieval associated with faces.* Paper presented at the 27th annual meeting of the Society for Neuroscience.
- Schiltz, C.,** Bodart, J. M., Dubois, S., Dejardin, S., Michel, C., Orban, G. A., et al. (1996). *Orientation-specific training effect in visual orientation discrimination, a pet study.* Paper presented at the 26th annual meeting of the Society for Neuroscience.
- Dejardin, S., Dubois, S., Bodart, J. M., **Schiltz, C.,** Michel, C., Roucoux, A., et al. (1996). *Voluntary saccadic eye movements: Effect of task repetition. A pet study.* Paper presented at the 26th annual meeting of the Society for Neuroscience.
- Schiltz, C.,** Dubois, S., Bodart, J. M., Michel, C., Orban, G. A., & Roucoux, A. (1995). *Visual orientation discrimination: Effect of training on brain activity, a pet study.* Paper presented at the 25th annual meeting of the Society for Neuroscience.

VII. INVITED LECTURES

- Schiltz, C.** (2019) Does spatial cognition support the acquisition of number concepts and math. (Invited by Prof. Mauro Pesenti) 22.10.19, Number Group Research Seminar, UCL, Louvain-la-Neuve, Belgium
- Schiltz, C.** (2018) Acquiring number concepts: Some considerations on the role of space and language. (Invited by Prof. Bert Reynvoet) 10.12.18, Bachelor Program Research Seminar, KULAK- Kortrijk, Belgium
- Schiltz, C.** (2018) Number processing and arithmetic in the bilingual brain. Lecture series « Mardi des Neurosciences » (Invited by Dr. S. Thoma), 08.05.18, Neurology Service, Centre Hospitalier de Luxembourg, Luxembourg
- Schiltz, C.** (2018) (Qu')est-ce que les sciences cognitives peuvent apporter aux sciences de l'éducation et de la formation? L'exemple de la cognition numérique. 30^e colloque de l'ADMEE-Europe (Invited by organizing committee) 11.9.2017, University of Luxembourg, Belval, Luxembourg
- Schiltz, C.** (2017) On number concepts and their relation to space and language. COSY « Pôle Système et Cognition » Symposium, (Invited by Dr. Valérie Goffaux, Dr. Valérie Legrain, Prof. André Mouraux), 13.10.17, Université Catholique de Louvain, Brussels, Belgium
- Schiltz, C.** (2017) Can language(s) affect numerical cognition? Insights from different stages of bilingual language acquisition. Workshop "Linguistic and Cognitive Influences on Numerical Cognition", (Invited by organizing committee), 8-9 September, Tuebingen, Germany.
- Schiltz, C.** (2017) (How) can cognitive neuroscience contribute to education practices and policies. International conference "The Ends of Humanities", (Invited by Prof. G. Mein) 11.9.2017, University of Luxembourg, Belval, Luxembourg
- Schiltz, C.** (2015) How do space and language influence number concept learning? Research colloquium of the Center for Cognitive Science (Invited by Prof. T. Lachmann), 26.11.2015, Technische Universität Kaiserslautern, Kaiserslautern, Germany
- Schiltz, C.** (2012) Number-space interactions and how they develop over lifespan. Research seminar "CONNEX seminar" (Invited by Prof. A. Content), 5.12.201, ULB, Brussels, Belgium
- Schiltz, C.** (2012) Number and space interact. But how are they influenced by cognitive development and math education? Lecture series "The Future of Educational Sciences", 23.05.2012, UL, Walferdange, Luxembourg
- Schiltz, C.** (2011) When numbers act as attentional cues: behavioral, EEG and fMRI investigations. Research seminar in cognitive neuroscience of the RWHT (Invited by Dr. A. Knops), 16.12.11, RWHT, Aachen, Germany
- Schiltz, C.** (2011) Face Perception: fMRI and Prosopagnosia. Lecture series « Mardi des Neurosciences » (Invited by Dr. N. Diederich), 17.05.11, Neurology Service, Centre Hospitalier de Luxembourg, Luxembourg

VIII. ORGANISATION OF CONFERENCES, WORKSHOPS AND LECTURE SERIES

- Organisation of the Lecture series "MercreDYS: Les difficultés spécifiques de l'apprentissage" (<https://learn.uni.lu/events/>) (Organized in the context of the Research Priority Education (University of Luxembourg) together with Dr. Caroline Hornung, Dr. Sonja Ugen and Dr. Danielle Hoffmann of the LEARN network, March-July 2017, University of Luxembourg, Belval, Luxembourg)
- Co-organisation of the EAPRIL 2015 Annual Conference - European Association for Practitioner Research on Improving Learning (<http://eapril.org/PreviousConferences/EAPRIL2015>), 24-27 November 2015, University of Luxembourg (Member of the local organizing committee)
- Co-organisation of the PhD Workshop "Cognition and Assessment in Multilingual Learning Environments", 29-30 September 2015, University of Luxembourg (Co-organized with Prof. R. Martin)
- Co-organisation of the symposium "Mehrsprachigkeit und frühe Kindheit: Herausforderungen für das Bildungssystem – Multilinguisme et petite enfance: Défis pour le système éducatif", 6-7 March 2015, University of Luxembourg (Co-organized with Prof. A. Hu)
- Organisation of the "5th expert meeting on mathematical learning and thinking", 1st of March 2013, University of Luxembourg. (Chair of organizing committee)
- Co-organisation of the lecture series "The Future of Educational Research - Professionalization of Actors in Educational Domains". February-June 2012, FLSHASE, University of Luxembourg. (Co-organized with Prof. S. Krolak-Schwerdt)

IX. RESEARCH ACTIVITIES

Grants and Projects

- PRIDE DTU-Member, 'Experiments, Ethics and Economics' (3E)(2021-2027)
- INITIATE project, member of PI group, 'Education 21' (E21)
- INTER FWO-FNR project, co-leader for the project 'Understanding the role of spatial number representations and spatial skills in mathematical abilities: From kindergarten to higher education' (SpaNuMaDev)(2021-2025), €345k from FNR, Luxembourg)
- CORE FNR project, leader for the project '(How) does language support the development of an independent symbolic number system?' (SymNumDev)(2021-2025), €437k from FNR, Luxembourg)
- IPBG DTU-Member, 'Collaboration 21 – Leveraging technologies for enhanced collaborative work and learning experiences' (C21)(2021-2027)
- INTER FNRS-FNR project, co-leader for the project 'Mental arithmetic and space' (SNA-MATH)(2018-2022), €300k from FNR, Luxembourg)
- PRIDE DTU-Member, 'Capitalising on Linguistic Diversity in Education' (CALIDIE)(2017-2022)
- INTER FNRS-FNR project, co-leader for the project 'Understanding the relationship between electrophysiological indexes of face perception with fast periodic visual stimulation and explicit behavioral measures' (Face perception)(2016-2020), €550k from FNR, Luxembourg)
- Project co-leader for the project 'Cognitive Aspects of Formal Argumentation Theory' (CAFA, IRP project)(2016-2018), €157K from the University of Luxembourg (UL, Luxembourg)
- AFR PhD Grant for Max Greisen (2015-2018)(€119K from FNR, Luxembourg)
- Project leader for the project 'Arithmetic in the bilingual brain' (NUMLANG, IRP project)(2015-2016), €78K from the University of Luxembourg (UL, Luxembourg)
- AFR PhD Grant for Alexandre Poncin (2015-2018)(€119K from FNR, Luxembourg)
- AFR Post-Doc Grant for Mathieu Guillaume (2014-2016)(€109K from FNR, Luxembourg)
- AFR Post-Doc Grant for Samuel Di Luca (2014-2016)(€109K from FNR, Luxembourg)
- AFR PhD Grant for Charlotte Sosson (2013-2016)(€119K from FNR, Luxembourg)
- AFR PhD Grant for Carrie Georges (2013-2016)(€119K from FNR, Luxembourg)
- AFR Post-Doc Grant for Sandrine Mejias (2012-2014)(€108K from FNR, Luxembourg)
- Associated researcher for the project 'The effect of language on mathematics performance in bilinguals' (LANGNUM, CORE project, 2011-2014), €160K from Fonds National de la Recherche (FNR, Luxembourg)
- AFR Post-Doc Grant for Nina Bien (2011-2013; Maternity leave prolongation until 2014)(€107K from FNR, Luxembourg)
- AFR PhD Grant for Danielle Hoffmann (2010-2013)(€110K from FNR, Luxembourg)
- AFR Post-Doc Grant for Christophe Mussolin (2010-2012; aborted for Belgian FNRS grant 2010) (€104K from FNR, Luxembourg)
- Associated project leader for the project 'The relation between numerical and visuo-spatial processes studied by neuro-imaging and behavioral testing' (NUMSPACE2, IRP project)(2009-2014), €222K from the University of Luxembourg (UL, Luxembourg)
- Associated project leader for the project 'The relation between numerical and visuo-spatial processes studied by neuro-imaging and behavioral testing' (NUMSPACE, IRP project)(2008), €166K from the University of Luxembourg (UL, Luxembourg)
- AFR PhD Grant for Malorie Deboni (2008-2011) (€105K from FNR, Luxembourg)
- Project leader for the project 'Assessing face processing skills using computer-based test batteries in adults and children' (FACETEST, IRP project), (2008-2010), €16K from the University of Luxembourg (UL, Luxembourg)
- Invited Professor, Laboratory of Neurophysiology, Medical Faculty, University of Louvain (2005-2007) working amongst others on the project 'Study into the modularity of facial and numerical processing systems using neuro-imaging techniques', (2005)
- Post-doctoral fellow for the project 'Attentional processes, visuo-spatial working memory and development of numerical representations: a neuropsychological approach', (R1F304W03, 2003-2007), EMACS Unit, FLSHASE, University of Luxembourg
- Post-doctoral fellow for the project 'Study into the modularity of facial and numerical processing systems using neuro-imaging techniques', Laboratory of Neurophysiology, Medical Faculty, University of Louvain, (2002-2004)

Scientific collaborations with international research centres/networks

Krzysztof Cipora, Lecturer, Mathematics Education Center, Loughborough University, Loughborough, United Kingdom

Sandrine Mejias, Lecturer, Institute of Speech Therapy, Medical Faculty, University Lille 2, France

Bruno Rossion, Professor, CRAN- CNRS, University of Lorraine, France

Valérie Goffaux, Professor, Psychological Sciences Research Institute, Institute Of NeuroScience (IONS), Department of Psychology, Catholic University of Louvain, Belgium

Mauro Pesenti, Professor, Psychological Sciences Research Institute, Institute Of NeuroScience (IONS), Department of Psychology, Catholic University of Louvain, Belgium

Bert Reynvoet, Professor, Faculty of Psychology and Educational Sciences, Campus Kulak Kortrijk, KULeuven, Belgium

Participation in European Science Foundation (ESF) Exploratory Workshop “From Numbers To Knowledge – 20 Years of Spatial-Numerical Associations”, (invited by Prof. Oliver Lindemann and Prof. Martin Fischer), 10-12 September 2013, Potsdam, Germany.

Reviewer for international journals

Acta Psychologica, Annals of the New York Academy of Sciences, Behavioral Brain Function, Brain Research, Bilingualism: Language and Cognition, Brain Structure and Function, Bilingualism: Language and Cognition, British Journal of Psychology, Cerebral Cortex, Cognition, Cognitive Development, Cortex, European Journal of Developmental Psychology, Frontiers in Developmental Psychology, Frontiers in Human Neuroscience, Frühe Bildung, Developmental Science, International Journal of Behavioural Development, International Journal of Bilingual Education and Bilingualism, Journal of Cognitive Neuroscience, Journal of Cognitive Psychology, Journal of Experimental Child Psychology, Journal of Motor Behavior, Journal of Numerical Cognition, Learning and Individual Differences, Neuroimage, Human Brain Mapping, Neuroscience & Biobehavioral Reviews, Perception, Psychological Research, Psychological Research and Behavioral Management, Quarterly Journal of Experimental Psychology, Research in Developmental Disabilities, Zeitschrift für Erziehungswissenschaft.

- Ad-hoc reviewer for about 25 journals (about 15 papers/year in last 3 years) and 7 grant agencies.

Reviewer for international grants and universities

French agence nationale de la recherche (ANR), Austrian Wissenschaftsfonds (FWF), British Medical Research Council (MRC), Belgian Fonds de la Recherche Scientifique (FNRS), Deutsch-Israelische Projektkooperation, Polish National Science Center, Research Foundation Flanders (FWO), National Science Centre (NCN), Israel Science Foundation, Marsden Fund - Royal Society of New Zealand, Schweizerischer Nationalfonds (SNF) - Eccellenza Grant, University of Melbourne, Ariel University Israel.

Jury member for review or defense of doctoral dissertations

- E' Louise Botes (2021) Positive and negative emotions in language learning: Measurement, interactions and nomological network. Public defense on the 21.06.21. Chair of the defense committee.
- Sophie Gillet (2021) Immersion bilingue précoce: Impact sur le développement des fonctions attentionnelles et exécutives, et les apprentissages scolaires. Public defense on the 06.06.21. Member of the defense committee.
- Sophie Martini (2021) The Influence of Language on Mathematics in a Multilingual Educational Setting. Public defense on the 25.03.21. Chair of the defense committee.
- Layla Battistutta (2020) Emotion regulation and perceived competence in dyslexia and ADHD: analyzing predictors of academic and mental health outcomes in adolescents. Public defense on the 27.10.20. Chair of the defense committee.
- Charilaos Lygidakis (2020) The D²Rwanda mixed-methods study including a cluster-randomized clinical trial. Public defense on the 29.05.20. Chair of the defense committee.
- Tahereh Pazouki (2020) MaGrid - From Developing a Language-Neutral Learning Application to Predictive Learning Analytics. Public defense on the 22.01.20. Chair of the defense committee.
- Jan Dörendahl (2019) Assessment of Fundamental Motives. Public defense on the 05.12.19. Chair of the defense committee.
- Alessandro Decarli (2019) Mental health and wellbeing in adolescence: the role of child attachment and parents' representation of their children. Public defense on the 19.11.19. Chair of the defense committee.
- Steve Thill (2019) Unemployment normalization: Investigating the dynamics of emotion regulation in unemployment. Public defense on the 06.09.19. Chair of the defense committee.
- Violetta Schaan (2019) Early life adversity and its long-term effects on stress responses and mental health. Public defense on the 26.06.19. Chair of the defense committee.

- Agnieszka Czeluscinska-Peczowska (2019) Attention bias to body- and sexually relevant stimuli. Public defense on the 08.06.19. Chair of the defense committee.
- Véronique Cornu (2018) The spatial road to mathematics. From the relation between spatial skills and early mathematics towards interventions. Public defense on the 13.06.18. Chair of the defense committee.
- Rita Cardoso Seixas (2016) Emotion regulation and job burnout: Investigating the relationship between emotion-regulation knowledge, abilities and dispositions and their role in the prediction of job burnout. Thesis submitted to obtain the degree of doctor in Psychology at the University of Luxembourg, Luxembourg. Public defense on the 08.11.16. Chair of the defense committee.
- Silke Rost (2016) The Role of Self-Regulatory Capacity in Adaptation to Pain. Thesis submitted to obtain the degree of doctor in Psychology at the University of Luxembourg, Luxembourg. Public defense on the 13.10.16. Chair of the defense committee.
- Claire Müller (2016) Evaluation of cognitive ability in heterogeneous student populations: Development of the test of cognitive potential. Thesis submitted to obtain the degree of doctor in Psychology at the University of Luxembourg, Luxembourg. Public defense on the 24.06.16. Chair of the defense committee.
- Katia Carbè (2015) *Spatial Coding of Abstract Concept* Thesis submitted to obtain the degree of doctor in Psychology at the Université Libre de Bruxelles, Belgium. Private defense on the 28.10.15 and public defense on the 29.10.15.
- Cristina Campillo (2015) *Computer-assisted interventions to improve self-regulation in patients with self-regulatory deficits*. Thesis submitted to obtain the degree of doctor in Psychology at the University of Luxembourg, Luxembourg. Public defense on the 13.10.15. Chair of the defense committee.
- Magda Chmiel (2013) *The impact of childhood intelligence on subjective well-being in adulthood*. Thesis submitted to obtain the degree of doctor in Psychology at the University of Luxembourg, Luxembourg. Public defense on the 17.10.2013. Chair of the defense committee.
- Nina Bien (2011) *Parietal cortex and spatial cognition. Combining evidence from neuroimaging and functional brain stimulation*. Thesis submitted to obtain the degree of doctor in Psychology at the University of Maastricht, The Netherlands. Public defense on the 23.06.2011.
- Matthias Böhmer (2011) *Expertise und diagnostische Urteilsbildung: Ein sozial-kognitiver Ansatz [Expertise and diagnostic decision-taking : A social cognition approach]*. Thesis submitted to obtain the degree of doctor in Psychology at the University of Luxembourg, Luxembourg. Public defense on the 17.02.2011.
- Caroline Hornung (2010) *Working memory in kindergarten children: Its structure and relationship to fluid intelligence and mathematical abilities*. Thesis submitted to obtain the degree of doctor in Psychology at the University of Luxembourg, Luxembourg. Public defense on the 15.11.2010.
- Jean-Paul Steinmetz (2010) *Personality and cognition: Psychological rigidity and inhibition of dominant response tendencies*. Thesis submitted to obtain the degree of doctor in Psychology at the University of Luxembourg, Luxembourg. Public defense on the 8.9.2010.

X. CONTRIBUTIONS TO THE DISTRIBUTION OF SCIENTIFIC INFORMATION

Lectures

- Schiltz, C.**, Lochy, A., Cornu, V. (2019) Presentation of research on typical and atypical numeracy and literacy acquisition to the queen of Belgium and the grand-duchess heiress of Luxembourg. Visit of the University Luxembourg Learning Center during the state visit of Belgium in Luxembourg, 16.10.19, University of Luxembourg, Belval, Luxembourg
- Schiltz, C.** (2019) What are Dys/learning disabilities? [Wat ass eng Dys?]. Workshop at Lycée Ermesinde organized by Teacher Committee, 28.03.19, Lycée Ermesinde, Mersch, Luxembourg
- Schiltz, C.** (2018) Can physical activity foster cognitive abilities. (Invited by Prof. Georges Steffgen and Prof. André Melzer). 18.10.18, Lecture series "Psychology and Health", University of Luxembourg, Luxembourg
- Schiltz, C.** (2018) Apport des neurosciences aux sciences de l'éducation et de la formation des enfants. 16.03.18, Semaine du cerveau, Nancy, Paris
- Schiltz, C.**, Greisen, M. (2017) Wat si Rechestéierungen a wéi kann een se diagnostizéieren? [Wat are mathematical learning difficulties and how can they be diagnosed?] Lecture series "MercreDYS: Les difficultés spécifiques de l'apprentissage" organized by the Research Priority Education (University of Luxembourg), 22.03.2017, University of Luxembourg, Belval, Luxembourg
- Schiltz, C.**, Schuller, AM, Greisen, M. (2016) Waat as Dyscalculie? [Wat is dyscalculia?] Workshop at the Forum International sur le troubles de l'apprentissage organized by the Fondation de Son Altesse Royale la Grand-Duchesse, 30.01.16, European Convention Center, Luxembourg

- Schiltz, C.** (2014) Que fait un professeur d'université qui travaille dans le domaine des neurosciences cognitives? [What is the job of a university professor working in the field of cognitive neuroscience?] Lecture for 3rd and 4th grade primary school classes of the primary school in Walferdange, 04.07.12, FLSHASE, University of Luxembourg, Luxembourg
- Schiltz, C.** (2014) Waat as Dyscalculie? [Wat is dyscalculia?] Lecture series "Research for Lunch" organized by the FLSHASE (University of Luxembourg), 20.06.2014, Cercle Cité, Luxembourg
- Schiltz, C.** (2014) Waat as Dyscalculie? [Wat is dyscalculia?] Conference on pedagogical training day, Limpertsberg, Lycée technique Michel Lucius, Luxembourg
- Schiltz, C.** (2013) Wéi ensteet d'Zuel 10 an eisem Kapp? [How is the number 10 produced by our brain?], Lecture series "Amphi ouvert" organized by the University of Luxembourg, 26.11.2013, Limpertsberg, University of Luxembourg, Luxembourg
- Schiltz, C.** (2012) Que fait un professeur d'université qui travaille dans le domaine des neurosciences cognitives? [What is the job of a university professor working in the field of cognitive neuroscience?] Lecture for 3rd and 4th grade primary school classes of the primary school in Walferdange, 18.06.12, FLSHASE, University of Luxembourg, Luxembourg
- Schiltz, C.** (2011) Le cerveau à l'école. [The brain at school] Invited lecture organized by the « Association des parents d'élève de l'Athénée de Luxembourg » (APEAL), 18.10.11, Athénée de Luxembourg, Luxembourg.

Publications

- Newsletter* (2012, 2013, 2014, 2015, 2016, 2017, 2018, 2020) LEARN stellt sech fier. [Presenting LEARN]. Newsletter presenting the LEARN network and their recent scientific work, distributed to actors in and around the Luxembourg primary and secondary school system. Luxembourg
- Newspaper comment article* (2002) 'Bouge de là!' [Move it], 22.05.02, Lëtzebuerg Land, Luxembourg.

Interviews

- Interview Newspaper* (2017) Mathe-Unterricht auf Luxemburgisch einfacher? [Is mathematic education in Luxembourgish easier?] 20/09/17, p. 4-5 (2-page report and journal title), *Tageblatt*, Luxembourg <http://www.tageblatt.lu/headlines/der-einfluss-der-sprache-auf-das-rechnen/>
- Interview Newspaper* (2017) *Scientific American Arabic* <https://www.scientificamerican.com/arabic/articles/news/solving-arithmetic-is-easier-in-mother-tongue/>
- Interview Radio* (2017) Lëtzebuenger rechne méi séier op Däitsch wéi op Franséisch [Luxembourgish persons solve arithmetical problems faster in German than in French]. 21.09.17. <http://www.eldo.lu/radio/reportagen/79010.html>
- Interview Radio.* (2016) Fuerschung zu Lëtzebuerg: Psychologie a Gehierfuerschung [Research in Luxembourg: Psychology and Brain Research], Interview by Michèle Schons with Christine Schiltz and Danielle Hoffmann, 18.08.16-08:15, <http://radio.rtl.lu/emissionen/reportage/1442062.html>
- Newspaper article.* (2015) Geistige Fitness. Wer rastet der rostet [Mental Fitness. Resting is rusting] Interview by Mireille Meyer with **Christine Schiltz**, 17.04.15, 19/2015, Télécran, Luxembourg.
- Interview Radio.* (2015) EE Mount, een Thema: Sproochen [One month, one topic: Languages], Interview by Kyra Fischbach with **Christine Schiltz**, 13.04.15 (9:10) http://www.100komma7.lu/programm/dagesprogramm/programmesemissionfiche/n_268173/c_74/ee-mount-ee-thema-sproochen
- Interview Television.* (2014) PISA de Wëssensmagazin, Wat ee Gehir [What a brain], Interview by Olivier Catani with **Christine Schiltz**, 29.06.14 (Op der Plëss verschwanne Leit!) (19:36; 24:53) <http://tele.rtl.lu/emissionen/pisa-de-wessensmagazin/3017397.html>
- Interview Television.* (2012) PISA de Wëssensmagazin, Wéi wees ee wat ee weess [How do we know what we know], Interview by Olivier Catani with **Christine Schiltz**, 02.12.12 (Bëbeschrëtter a Quantespréng (04:55); De perfekte Matheschüler (13:55)) <http://tele.rtl.lu/waatleeft/replay/v/20121202/63/2982211/>
- Newspaper article.* (2011) Schwierige Selbstverständlichkeiten. [When the obvious is difficult] Interview by Kim Hermes with **Christine Schiltz** and Pascale Engel, 01.12.11, *Tageblatt*, Luxembourg.
- Interview Television.* (2010) PISA de Wëssensmagazin, Gehir: e Supercomputer am Kapp! [The Brain: A Supercomputer in the head]. Interview by Tanja de Jager with **Christine Schiltz**, 04.04.10 (19min50sec – 22min40sec), RTL Television, Luxembourg. <http://tele.rtl.lu/waatleeft/replay/v/20100404/63/1867/>

Counseling

- Collaboration with the CPOS to set-up an efficient diagnostic and intervention program for children with specific learning difficulties related to numeracy in Luxembourg (2013-2015). **Christine Schiltz** (and a subgroup of the LEARN network) are counseling the CPOS upon their request in the

context of their efforts to develop a national concept to address the requirements created by the CAR (“Commission des aménagements raisonnables”) law.

Pedagogical project « Cerveau malin » proposed by the Centre d’Animation Pédagogique et de Loisirs (CAPEL) for 5th and 6th grade primary school classes of Luxembourg City, Luxembourg (2011). Scientific counseling and help to develop an experimental set-up related to the interactive exhibition by **Christine Schiltz**.

Other

Workshop ‘D’Gehir an der Schoul - Le cerveau va à l’école - Das Gehirn geht in die Schule’. Researchers’ Days 2018 organized by the FNR, 30.11.18-01.12.18, Rockhal, Belval, Luxembourg

XI. NATIONAL AND INTERNATIONAL AWARDS

- Nominated for the “**Outstanding Mentor**” award, FNR, Luxembourg, March 2021
- **FNR (Fond national de la recherche, Luxembourg) Award for Outstanding Promotion of Science to the Public** allocated 2014 to the LEARN Network of which I am a founding member.
- **Trainee Travel Award** to Dr. Sandrine Mejjas at the 2013 Organization of Human Brain Mapping (OHBM) annual meeting in Seattle (USA) for her poster contribution “*How the human brain discriminates numerosities: A steady-state visual-evoked potentials study.*” Dr. Mejjas is currently working as an AFR-FNR the Post-Doc researcher under my supervision.
- **Student Travel Award** allocated at the 2004 the Vision Science Society (VSS) annual meeting in Sarasota (USA) for my contribution presented as an oral presentation “A critical role of the right fusiform gyrus in individual face discrimination: Evidence from neuroimaging studies of a prosopagnosic patient”
- **Rotary International’ Grant Award** allocated during my PhD studies (1996) by the ‘Rotary International’ District 1630 (Belgium and Luxembourg).

XII. ADMINISTRATIVE ASSIGNMENTS

- Vice-dean of the Faculty of Language and Literature, Humanities, Arts and Education, University of Luxembourg (2014-2018; 2018-2023)
- Head of the Institute of Cognitive Science and Assessment, ECCS, FLSHASE, University of Luxembourg (2013-2017; 2018-)
- Interim Vice-Head of the research unit Education, Culture, Cognition and Society, FLSHASE, University of Luxembourg (2017-2018)
- Member of the working group steering the auto-evaluation of the University of Luxembourg during the Evaluation by the Institutional Evaluation Programme (IEP) of the European University Association (EUA)(2016-2017)
- Member of the “Commission du cadre de reference national sur l’éducation non formelle des enfants et des jeunes” (2016)
- Member of the “Conseil Supérieur de l’Education Nationale” (2015-2016)
- Vice-head of the UL Research Priority “Education: Focusing on Multilingualism and Diversity” (2014-2017)
- Member of the Governing Board of the research unit ECCS, FLSHASE, University of Luxembourg (2013-2017)
- Member of the Faculty Council of the FLSHASE, University of Luxembourg (2012-2017)
- Founding member of the LEARN network (Learning Expertise And Research Network) (2011 -)
- Member of the Steering Committee of the research unit EMACS, FLSHASE, University of Luxembourg (2011-2013)
- Representative of the Research Area Group - Cognitive Neuroscience (RAG-CNS), EMACS, FLSHASE, University of Luxembourg (2009-2013)
- Member of the Steering Committee of the Bachelor in Psychology, FLSHASE, University of Luxembourg (2009-2017)