

CV

1. Full name and date

- Radun (Tuuri), Jenni Emilia
- Female
- Day of writing this CV: 28 September 2018

2. Date and place of birth, nationality, current residence

- Born in Helsinki, Finland, 7 August 1978
- Finnish
- Current residence: Helsinki, Finland.

3. Education and degrees awarded

- Doctor of Psychology, University of Helsinki, Major subject "Psychology", Graduation 17 January 2017. Verification contact: University of Helsinki, Helsinki, adjunct professor Jukka Häkkinen (jukka.hakkinen@helsinki.fi). Grade: Passed with distinction.
- Master of Psychology, Major subject "Psychology", University of Helsinki, Graduation 9 December 2004.

4. Other education and training, qualifications and skills

- Other skills:

5. Linguistic skills

- Mother tongue: Finnish
- Other languages: English is good both orally and literally, Serbocroatian is fluent, Swedish and French are elementary.

6. Current position

- Current employment: Specialized research scientist in Turku University of Applied Sciences, starting 15 January 2018.
- Research career phase: 2) post-doctoral researcher

7. Previous work experience

- University of Helsinki between 2003-2018 in different positions: Finnish Academy researcher 2015-2018, doctoral student 2010-2017, project researcher 2004-2010, research assistant 2003.
- School psychologist, part-time 1/2006-6/2006, City of Helsinki.
- Neuropsychologist trainee, 1/2003-8/2003, The Hospital District of Helsinki and Uusimaa.
- Career breaks: Family leaves (3 children) 6/2007-9/2008, 1/2009-8/2010 and 6/2016-11/2017.

8. Research funding as well as leadership and supervision

- Grants: I have received personal grants for making my doctoral thesis from the following foundations: Emil Aaltonen Foundation 2012 (for six months), Ella and George Ehrnrooth Foundation 2012 (for six months), Nokia Foundation (for three months), and Alfred Kordelin Foundation 2014 (for twelve months).
- A financed place in Doctoral School of User-Centered Information Technology for two years (2010-2012).

9. Merits in teaching and pedagogical competence

- Teacher in an experimental psychology course – Experimental Psychology, Institute of Behavioural Sciences, Faculty of Behavioural Sciences, University of Helsinki, Finland
- 2012, 2013, 2015 Teacher in a video annotation course – Experimental psychology, eye movement measurement, and video annotations, Institute of Behavioural Sciences, Faculty of Behavioural Sciences, University of Helsinki, Finland
- Attended pedagogy course Teaching and Learning in Higher Education, University of Helsinki 2013

10. Awards, prizes and honours

- Best student award for the article IS & T / SPIE International Conference on "Image Quality and System Performance IX," from 24th to 26th January 2012, Burlingame (CA), United States

11. Other academic merits

- Undefined.

12. Scientific and societal impact of research

- Total number of peer-reviewed original scientific articles in journals is 20. The list of publications follows.
- The number of peer-reviewed conference papers is 13.
- The number of other publications (reports, book chapter etc.) is 7.
- Google Scholar involves altogether 531 citations to the abovementioned scientific articles (h-index 11, i10 index 16).

13. Positions of trust in society and other societal merits

- A member of school board in Paloheinä elementary school 2017-2021.

14. Other merits

- Scientific peer-reviewer of manuscripts in the following journals:
 - Building and Environment

Publication list

A1 Original Articles in Scientific Journals

- Radun, I., **Radun, J.**, Esmailikia, M., & Lajunen, T. (2018). Risk compensation and bicycle helmets: A false conclusion and uncritical citations. *Transportation Research Part F: Traffic Psychology and Behaviour*, 58, 548–555. <https://doi.org/10.1016/j.trf.2018.06.038>
- Radun, I., Watling, H., **Radun, J.**, Kaistinen, J., & Olivier, J. (2018). Women judging: Is a young male drunk driver perceived as more negligent than a young female drunk driver? *Traffic Injury Prevention*. <https://doi.org/10.1080/15389588.2018.1480833>
- Radun, J.**, Nuutinen, M., Antons, J.-N., & Arndt, S. (2017). Did you notice it? – How can we predict the subjective detection of video quality changes from eye movements? *IEEE Journal of Selected Topics in Signal Processing*, 11(1), 37-47. doi:10.1109/JSTSP.2016.2607696
- Radun, J.**, Nuutinen, M., Leisti, T., & Häkkinen, J. (2016). Individual Differences in Image-Quality Estimations. *ACM Transactions on Applied Perception*, 13, 1–22. <https://doi.org/10.1145/2890504>
- Radun, I., **Radun, J.**, Wahde, M., Watling, C., & Kecklund, G. (2015) Self-reported circumstances and consequences of driving while sleepy. *Transportation Research. Part F: Traffic Psychology and Behaviour*, 32, 91-100. <http://dx.doi.org/10.1016/j.trf.2015.05.004>
- Nuutinen, M., Virtanen, T., Leisti, T., Mustonen, T., **Radun, J.**, & Häkkinen, J., (2014) A new method for evaluating the subjective image quality of photographs: dynamic reference. *Multimedia Tools and Applications*, <http://dx.doi.org/10.1007/s11042-014-2410-7>
- Radun, J.**, Leisti, T., Virtanen, T., Nyman, G., & Häkkinen, J. (2014). Why is quality estimation judgment fast? Comparison of gaze control strategies in quality and difference estimation tasks. *Journal of Electronic Imaging*, 23(6), 061103. doi:10.1117/1.JEI.23.6.061103
- Rummukainen, O., **Radun, J.**, Virtanen, T., & Pulkki, V. (2014). Categorization of natural dynamic audiovisual scenes. *PLoS One*, 9(5). <http://dx.doi.org/10.1371/journal.pone.0095848>
- Radun, I., Ohisalo, J., Rajalin, S., **Radun, J. E.**, Wahde, M., & Lajunen, T. J. (2014). Alcohol Ignition Interlocks in All New Vehicles: A Broader Perspective. *Traffic injury prevention*, 15(4), 335-342. 10.1080/15389588.2013.825042
- Leisti, T., **Radun, J. E.**, Virtanen, T. I. O., Nyman, G., & Häkkinen, J. (2014). Concurrent explanations can enhance visual decision making. *Acta Psychologica*, 2014(145), 65. <http://dx.doi.org/10.1016/j.actpsy.2013.11.001>
- Radun, I., Ohisalo, J., **Radun, J.**, Wahde, M., & Kecklund, G. (2013). Driver fatigue and the law from the perspective of police officers and prosecutors. *Transportation Research. Part F: Traffic Psychology and Behaviour*, 18, 159-167. 10.1016/j.trf.2013.01.001
- Radun, I., Ohisalo, J., **Radun, J.**, & Rajalin, S. (2012). Law defining the critical level of driver fatigue in terms of hours without sleep: criminal justice professionals' opinions and fatal accident data. *International Journal of Law Crime and Justice*, 40(3), 172-178. 10.1016/j.ijlcrj.2012.03.002
- Radun, I., Ohisalo, J., **Radun, J.**, & Kecklund, G. (2011). Night Work, Fatigued Driving and Traffic Law: The Case of Police Officers. *Industrial Health*, 49(3), 389-392. 10.2486/indhealth.MS1223
- Radun, J.**, Leisti, T., Virtanen, T., Häkkinen, J., Vuori, T., & Nyman, G. (2010). Evaluating the Multivariate Visual Quality Performance of Image-Processing Components. *ACM Transactions on Applied Perception*, 7(3), 16. 10.1145/1773965.1773967

- Radun, I., Ohisalo, J., **Radun, J. E.**, Summala, H., & Tolvanen, M. (2009). Fell asleep and caused a fatal head-on crash?: A case study of multidisciplinary in-depth analysis vs. the court. *Traffic injury prevention*, 10(1), 76-83. 10.1080/15389580802489252
- Radun, I., & **Radun, J.** (2009). Convicted of fatigued driving: Who, why and how?. *Accident Analysis and Prevention*, 41(4), 869-875. 10.1016/j.aap.2009.04.024
- Radun, I., Summala, H., & **Radun, J. E.** (2009). Drinking and driving "safely": Who uses a breathalyzer and when?. *Transportation Research. Part F: Traffic Psychology and Behaviour*, 12(2), 155-158. 10.1016/j.trf.2008.10.001
- Radun, J.**, Leisti, T., Häkkinen, J., Ojanen, H., Olives, J-L., Vuori, T., & Nyman, G. (2008). Content and quality: interpretation-based estimation of image quality. *ACM transactions on applied perception.*, 4(4), 21:1-15. 10.1145/1278760.1278762
- Radun, I., **Radun, J.**, Summala, H., & Sallinen, M. (2007). Fatal road accidents among Finnish military conscripts: Fatigue-impaired driving. *Military Medicine*, 172(11), 1204-1210.
- Radun, I., & **Radun, J.** (2006). Seasonal variation of falling asleep while driving: an examination of fatal road accidents. *Chronobiology International*, 23(5), 1053-1064. 10.1080/07420520600921096

A4 Articles in Conference Proceedings (peer-reviewed)

- Toivanen, M., Puolamäki, K., Lukander, K., Häkkinen, J., & **Radun, J.** (2016). Inferring user action with mobile gaze tracking. Teoksessa: MobileHCI '16 Proceedings of the 18th International Conference on Human-Computer Interaction with Mobile Devices and Services Adjunct (Sivut 1026-1028). DOI: 10.1145/2957265.2965016
- Virtanen, T., Nuutinen, M., **Radun, J.**, Leisti, T., & Häkkinen, J. (2015). Alternative performance metrics and target values for the CID2013 database. In: *Image Quality and System Performance XII (Proceedings Volume): proceedings of the IS&T/SPIE's International Symposium on Electronic Imaging 2015, 8-12 February 2015, San Francisco, California USA/ In press.*
- Arndt, S. and **Radun, J.** and Antons, J-N. and Möller, S. (2014). Using eye-tracking and correlates of brain activity to predict quality scores. *Sixth Int. Workshop on Quality of Multimedia Experience 2014 (QoMEX 2014)*
- Keat, L. K., Friedrich, M., **Radun, J.**, & Jokinen, K. (2013). Lying through the eyes: detecting lies through eye movements. In: *GAZE-IN: Proceedings of the 5th Workshop on Eye Gaze in Intelligent Human Machine Interaction: Eye Gaze and Multimodality* (Pages 51-56). 10.1145/2535948.2535954
- Radun, J.**, Leisti, T., Virtanen, T., & Nyman, G. (2012). How do we watch images?: a case of change detection and quality estimation. In: *Image Quality and System Performance IX (Proceedings Volume): proceedings of the IS&T/SPIE's International Symposium on Electronic Imaging 2012, 23-26 January 2012, Burlingame, California USA/ Eds. Frans Gaykema and Peter Burns* (Proceedings of SPIE). 10.1117/12.907046
- Levitski, A., **Radun, J.**, & Jokinen, K. 2011. Visual Interaction and Conversational Activity. *ICMI-2012: The 4th Workshop on Eye Gaze in Intelligent Human Machine Interaction: Eye Gaze and Multimodality*. pp. 1-6. Santa Monica, California, U.S.: ACM.
- Leisti, T., **Radun, J.**, Virtanen, T., Halonen, R., & Nyman, G. (2009). Subjective experience of image quality: attributes, definitions, and decision making of subjective image quality. In: *Image Quality and System Performance VI (Proceedings Volume): proceedings of the IS&T/SPIE's International Symposium on Electronic Imaging 2009, 19 January 2009, San Jose, California USA : Volume 7242 / Eds. Susan P. Farnand and Frans Gaykema*
- Häkkinen, J., Kawai, T., Takatalo, J., Leisti, T., **Radun, J.**, Hirsaho, A., & Nyman, G. (2008). Measuring stereoscopic image quality experience with interpretation based quality methodology. In: *Image Quality and System Performance V (Proceedings Volume): proceedings of the IS&T/SPIE's International Symposium on Electronic Imaging 2008, 27-31 January 2008, San Jose, California USA : Volume 6808 / Eds. Susan P. Farnand and Frans Gaykema* (Pages 68081B-68081B-12).

Virtanen, T., **Radun, J.**, Lindroos, P., Suomi, S., Säämänen, T., Vuori, T., Vaahteranoksa, M., & Nyman, G. (2008). Forming valid scales for subjective video quality measurement based on a hybrid qualitative/quantitative methodology. In: *Image Quality and System Performance V (Proceedings Volume): proceedings of the IS&T/SPIE's International Symposium on Electronic Imaging 2008, 27-31 January 2008, San Jose, California USA : Volume 6808 / Eds. Susan P. Farnand and Frans Gaykema.*

Nyman, G., Leisti, T., Lindroos, P., **Radun, J.**, Suomi, S., Virtanen, T., Olives, J-L., Oja, T., & Vuori, T. (2008). Measuring multivariate subjective image quality for still and video cameras and image processing system components. In: *Image Quality and System Performance V (Proceedings Volume): proceedings of the IS&T/SPIE's International Symposium on Electronic Imaging 2008, 27-31 January 2008, San Jose, California USA : Volume 6808 / Eds. Susan P. Farnand and Frans Gaykema.*

Radun, J., Virtanen, T., Olives, J-L., Vaahteranoksa, M., Vuori, T., & Nyman, G. (2007). Audiovisual quality estimation of mobile phone video cameras with interpretation-based quality approach. In: *Image Quality and System Performance IV (Proceedings Volume): proceedings of the IS&T/SPIE's International Symposium on Electronic Imaging 2007, 28 January - 1 February 2007, San Jose, California USA :Volume 6494 / Eds. Luke C. Cui and Yoichi Miyake* (Pages 649403-1 - 649403-11).

Radun, J., Virtanen, T., Nyman, G., & Olives, J-L. (2006). Explaining multivariate image quality - interpretation-based quality approach. In: *ICIS '06: International Congress of Imaging Science, 7-12 May 2006, Rochester, New York: [proceedings]* (Pages 119-121).

Nyman, G., **Radun, J.**, Leisti, T., Oja, J., Ojanen, H., Olives, J-L., Vuori, T., & Häkkinen, J. (2006). What do users really perceive: probing the subjective image quality. In: *Image Quality and System Performance III (Proceedings Volume): proceedings of the IS&T/SPIE's International Symposium on Electronic Imaging 2006, 15 January 2006, San Jose, California USA : Volume 6059 / Eds. Luke C. Cui and Yoichi Miyake*

Nyman, G., **Radun, J.**, Leisti, T., & Vuori, T. (2005). From image fidelity to subjective quality: a hybrid qualitative methodology for measuring subjective image quality for different image contents. In: *IDW/AD '05: Proceedings of the 12th International Display Workshops in conjunction with Asia Display 2005: December 6 (Tue)-9(Fri), 2005, Sunport Takamatsu, Takamatsu, Japan, vol. 2* (Pages 1817–1820).

B2 Book or a part of a compilation (non peer-reviewed)

Leisti, T., **Radun, J.**, & Nyman, G. (2009). Subjective quality of print. In: P. Oittinen, & H. Saarelma (Editor(s)), *Papermaking science and technology. Book 13.* (2nd ed., totally updated version) (Pages 336-354). Helsinki: Papers Engineers' Association/Paperi ja Puu oy.

D1 Articles in a Professional Journal

Radun, I., & **Radun, J.** (2012). Väsyneenä ajaminen on vaarallista. *Taksi-lehti*, 2012(4), 18-19.

Radun, I., & **Radun, J.** (2010). Laki kieltää väsyneenä ajamisen: Väsymys on suuri riski liikenneturvallisuudelle. *Taksi-lehti*, (3), 24-25.

Radun, I., & **Radun, J.** (2010). Väsyneenä ajaminen on kielletty lailla. *Kuljetusyrittäjä Suomen kuorma-autoliiton jäsenlehti*, (5-6), 38-39.

D4 Published Research Report or Investigation

Radun, I., Ohisalo, J., & **Radun, J.** (2010). *Väsymys tieliikenteessä ja laki: Lainsoveltajan näkökulma.* (Liikenneturvan tutkimusmonisteita; 110). Helsinki: Liikenneturva.

Radun, I., **Radun, J.**, & Ohisalo, J. (2009). *Väsymys tieliikenteessä ja laki: Keitä rangaistaan ja milloin?*. (Liikenneturvan tutkimusmonisteita; 107). Helsinki: Liikenneturva.

Radun, I., & **Radun, J.E.** (2008). *Väsyneenä ajaminen: Mikä on tilanne Suomessa?* [Fatigue and driving: the situation in Finland] (Liikenneturvan tutkimuksia, 123/2009). Helsinki: Liikenneturva.