



NEUROSHARE

SHARING TOOLS AND EXPERTISE IN BEHAVIORAL NEUROSCIENCE

September, 29th-30th 2021
ZAGREB



LABORATORY FOR
EXPERIMENTAL
PSYCHOLOGY



Sunčica Zdravković

Laboratory for Experimental Psychology

Department of Psychology, University of Novi Sad, Serbia

CEEPUS network NEUROSHARE





UNS: UNIVERSITY OF NOVI SAD

- 14 faculties located in 4 towns in northern Serbia
 - 2nd largest among 6 state universities in Serbia
- Founded on 28th June 1960



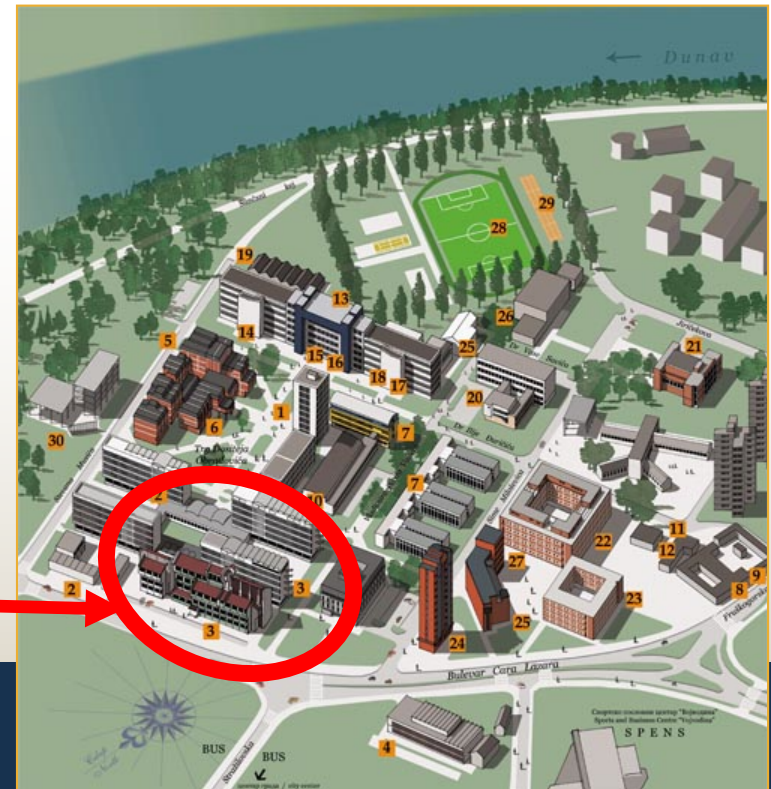
UNS: UNIVERSITY OF NOVI SAD

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■ *Figures*

- | | |
|------------------------------------|--------|
| ● Number of study programs | 406 |
| ● Number of undergraduate students | 42 315 |
| ● Number of graduate students | 8 434 |
| ● Number of employees | 4 999 |
| ○ Number of teaching staff | 3 684 |
| ○ Number of non-teaching staff | 1 249 |
| ○ Number of foreign teaching staff | 66 |

*FACULTY OF
PHILOSOPHY*



UNS: FACULTY OF PHILOSOPHY

- Founded in 1954, *pre-dating the University*
 - 17 Departments + 45 accredited study programs:
 - 23 Bachelor, 24 Master, 8 Doctorate
- Number of students 6000
- Number of employees 400



UNS: DEPARTMENT OF PSYCHOLOGY

- Founded in 1982
 - 3 Educational Levels:
 - *Bachelor, Master, Doctorate*
 - Number of students 450
 - Number of teaching staff 37

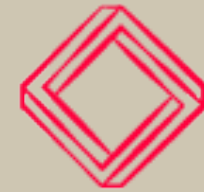


University of Novi Sad
RANKED 501+
FOR PSYCHOLOGY



www.thewur.com

LABORATORY



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PSYCHOLOGY

■ LABORATORY FOR EXPERIMENTAL PSYCHOLOGY

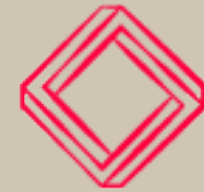
- Founded in 1995
- *Staff*
 - *Sunčica Zdravković, full professor, coordinator*
 - *Ivana Jakovljević, assistant professor*
- *Students*
 - Nataša Katić, PhD
 - Konstantin Tomić, Ma
 - 4 undergraduates(+ Predrag Nedimović, PhD)



LEPNS

Laboratorija za eksperimentalnu psihologiju Novi Sad

LABORATORY: PROJECTS

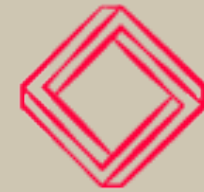


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PSYCHOLOGY

■ COLLABORATIONS

- Face Perception in Prosopagnosia, 2016
 - *Jeremy Tree (UK)*
- Colour and Emotion network, 2017
 - *Christine Mohr, Domicela Jonauskaite (Switzerland)*
- Bandi aperti opportunità di mobilità, TMS: Colour-Motion Illusions, 2019
 - *Gianluca Campana (Italy)*
- Multi-lingual corpus of eye-movements during reading, 2019
 - *Dušica Filipović Đurđević, Milica Popović (Serbia)*
- ITN, European training network, Colour salience, 2020
 - *Jasna Martinović (UK)*
- Lightness Perception Theoretical Framework, 2019-2021
 - *Alan Gilchrist (US), Elias Economou (Greece)*

LABORATORY: PROJECTS



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PSYCHOLOGY

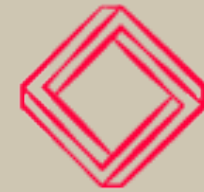
■ NATIONAL

- Serbian Ministry of culture and Science, 451-04-00026/2021-09, 2020 - 2021
- Serbian Ministry of Science, 179033, 2011-2015/2019/2020
- Serbian Ministry of Science, III 47020, 2011-2015/2019/2020
- Serbian Ministry of Science, D-149039, 2005-2010

■ INTERNATIONAL

- CEEPUS, Neuroshare: Sharing tools and expertise in behavioural neuroscience, 2020
- HORIZON 2020: 653748 - CARISMAND - GAP-653748, 2015-2018
- HORIZON 2020: 653811 - CITYCOP - GAP-653811, 2015-2018
- TEMPUS, Visual Mathematics, 530394-TEMPUS-1-2012-1-HU-TEMPUS-JPHES, 2012-2014
- TEMPUS Master program in applied statistics: 511140-TEMPUS-1-2010-1-RS-TEMPUS-JPCR, 2010-2013
- AFP: Open Society Institute 2009-2012
- Research Scientist Grant at SUNY, New York, US, 2008
- TEMPUS, Higher Education Teaching and Training: JEP 41071-2006, 2007-2009

LABORATORY: PROJECTS



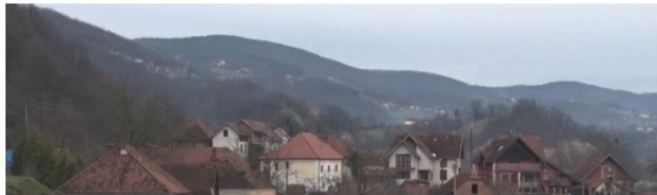
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Novosađani u timu koji procenjuje kako Srbija reaguje za krizne situacije

Posle katastrofalnih poplava 2014, Srbija je dobila priliku da se uključi u evropski projekat iz Horizont 2020 programa, vredan više miliona evra.

Preporučeno 2 | Podeli | Tweet | G+ | 0 | KOMENTARI 1

NOVI SAD 20.02.2017. | 09:46



Апликација за бољу повезаност грађана и полиције

20.04.2017 • 19:43 > 19:47
Извор: Dnevnik.rs



NOVI SAD: У неким од безизлазних ситуација, од када је у употреби, мобилни телефон је многим спасао главу или имовину. Већа брзина доступности полицији, хитној помоћи или ватрогасцима са сваког места, сами по себи повећавају безбедност сваког ко се нађе у невољи или тражи помоћ за другога.

Зато се такве корисне технолошке новотирије стално допуњују програмима и апликацијама креираним у сарадњи са стручњацима различитих профила. Циљ је да се развију до нивоа да могу бити на услузи најширем кругу корисника.

У оквиру једног текућег, широко постављеног међународног пројекта "Полиција у заједници", развија се и нова апликација за мобилне телефоне и интернет портале. Пројекат, који ће се по свом акрониму CITYCoP (Citizen Interaction Technologies Yield Community Policing) могао у преводу звати и "Градски полицијски функционери у Европској унији".



фото: Dnevnik.rs



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 653748.

EU project CARISMAND

carismand.eu

EU project CITYCoP

citycop.eu

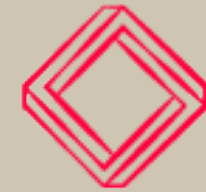


CITYCoP
CITIZEN INTERACTION TECHNOLOGIES
YIELD COMMUNITY POLICING

LEPNS

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LABORATORY: BOOKS



LABORATORY FOR
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■ COURSES

● BA

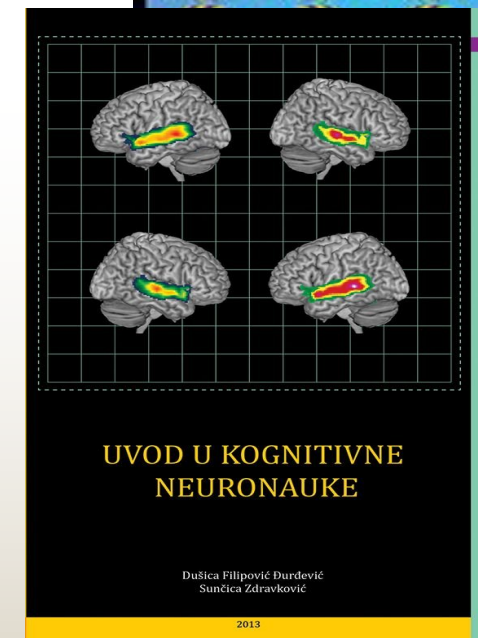
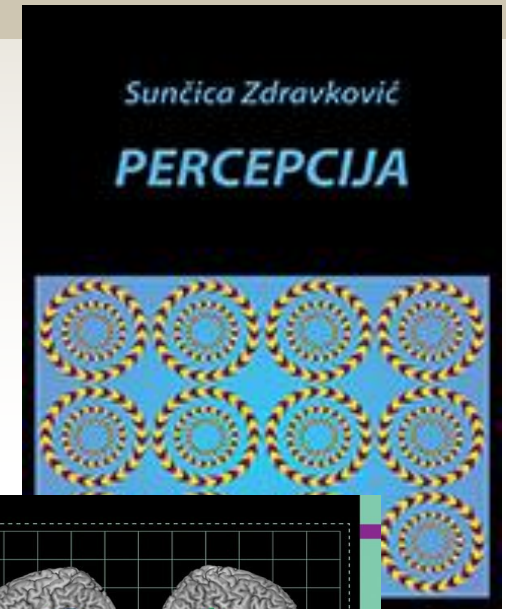
- *PERCEPTION, 6 credits*
- *COGNITIVE PROCESSES, 6 credits*

● MA

- *VISUAL PERCEPTION, 3 credits*
- *COGNITIVE NEUROSCIENCE, 3 credits*
- *EXPERIMENTAL PSYCHOLOGY, 3 credits*

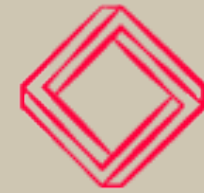
● PHD

- *COLOUR AND ILLUMINATION*
- *METHODS*



LEPNS

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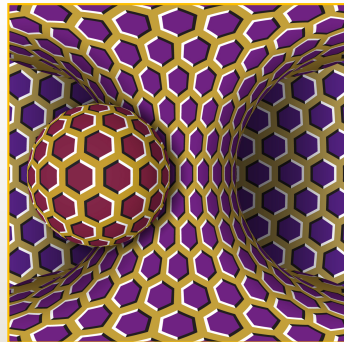


Visual Cognition

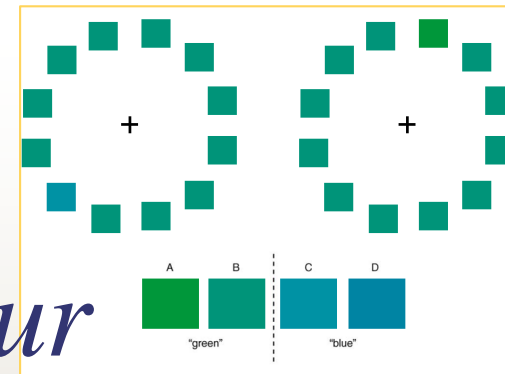
Eye Tracker



LEP NS



Colour



Illusions

COLOURS: PUBLICATIONS

- Jonauskaite, D., Abu-Akel, A., Dael, N.,... Zdravković, S., Meng Zhang, & Mohr, C. (2020). Universal patterns in color-emotion associations are further shaped by linguistic and geographic proximity. *Psychological Science*, 31(10), 1245-1260.
- Jonauskaite, D., Abdel-Khalek, A., ... Zdravković, S., & Mohr, C. (2019). The sun is no fun without rain: Physical environments affect how we feel about yellow across 55 countries. *Journal of Environmental Psychology*, 101350.
- Jakovljević, I., & Zdravković, S. (2018). The color lexicon of Serbian language - a study of dark blue and dark red color categories Part 1: Color-term elicitation task. *Psihologija*.
- Jakovljević, I., & Zdravković, S. (2018). The color lexicon of Serbian language - a study of dark blue and dark red color categories Part 2: Categorical effects for teget and bordo in the Serbian language. *Psihologija*.
- Zdravkovic, S., Havelka, J., Mohr, C., Jonauskaite, D., & Deal, N. (2016). Testing for Multidimensional Color-Emotion Semantic Space. *ECVP, Barcelona, Spain*.
- Wąsowicz-Kiryło, G., Jonauskaite, D., Mohr, C. Zdravković, S., Havelka, J., & Nele Dael (2016). Testing the influence of linguistic and geographical similarities in affective connotations of colour: Evidence from Polish, Serbian and Lithuanian speakers. *Colour Day Conference in Krakow, Poland*.
- Ludajić, T., & Zdravković, S. (2016). Uloga boje i oblika u klasifikaciji i prepoznavanju poznatih vizuelnih objekata (The role of shape and colour in recognition and classification of familiar visual objects). *Primenjena psihologija*

VISUAL COGNITION: PUBLICATIONS

- Thornton, I. M., Tagu, J., Zdravković, S., & Kristjánsson, Á. (2021). The Predation Game: Does dividing attention affect patterns of human foraging?. *Cognitive Research: Principles and Implications*, 6(1), 1-20.
- Childs, M. J., Jones, A., Thwaites, P., Zdravković, ... & Tree, J. J. (2021). Do individual differences in face recognition ability moderate the other ethnicity effect?. *Journal of Experimental Psychology: human perception and performance*.
- Tomić, K. & Zdravković, S. (2021). Lightness in ensemble perception paradigm. *ECVP*
- Thornton, I.M. & Zdravković, S. (2020). Searching for illusory motion. *Attention, Perception, & Psychophysics*, 82(1), 44-62.
- Pantić, M., & Zdravković, S. (2016). Visual Detection Of Static Objects Among Dynamic Distractors. *Primenjena psihologija*. 9(1), 101-118.
- Vejnović, D., & Zdravković, S. (2015). Side flankers produce less crowding, but only for letters. *Cognition*, 143, 217-227.
- Barzut, V., Zdravković, S. (2013). Discrimination of faces of the same and other race and gender modulated by familiarity. *Psihologija*, 46(1): 45-59..
- Vidaković, V., Zdravković, S. (2009). Colour influences identification of the moving objects more than shape. *Psihologija*. Vol. 42, 1. (79-95).

EYE TRACKING: PUBLICATIONS

Hermens, F., & Zdravković, S. (2021). Eye movements reveal the role of attention in change blindness for shadows, ECVF

Toscani, M., Zdravković, S., & Gegenfurtner, K. R. (2016). Lightness perception for surfaces moving through different illumination levels. *Journal of Vision*, 16(15), 21-21.

Hermens, F., & Zdravković, S. (2015). Information extraction from shadowed regions in images: an eye movement study. *Vision Research*, 113, 87-96.

ILLUSIONS: PUBLICATIONS

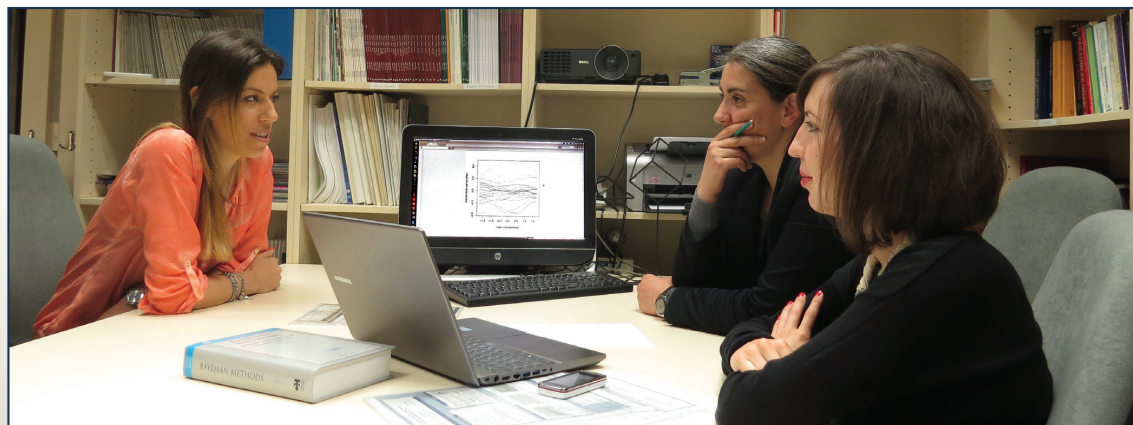
- Nedimović, P., & Zdravković, S. (2021). Lightness contrast & assimilation: testing the hypotheses. *Primenjena psihologija* Vol. 41, No. 3, pp. 98-114.
- Thornton, I.M. & Zdravković, S. (2020). Searching for illusory motion. *Attention, Perception, & Psychophysics*, 82(1), 44-62.
- Marković, S., & Zdravković, S., (2017). Introduction to the special issue on visual aesthetics. *Psihologija*, 50(3), 213-217.
- Toscani, M., Zdravković, S., & Gegenfurtner, K. R. (2016). Lightness perception for surfaces moving through different illumination levels. *Journal of Vision*, 16(15), 21-21.
- Economou, E., Zdravković, S., & Gilchrist, A. (2015). Grouping Factors and the Reverse Contrast Illusion. *Perception*.
- Blanuša, J., & Zdravković, S. (2015). Horizontal-vertical illusion in mental imagery: quantitative evidence. *Frontiers Human Neuroscience*. 9:33.
- Todorović, D., & Zdravković, S. (2014). The roles of image decomposition and edge curvature in the 'snake' lightness illusion. *Vision Research*. Vol. 97: 1-15.



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<http://lepns.ff.uns.ac.rs>

THANK YOU



Sunčica Zdravković

