

**5. internacionalni simpozij psihijatrije  
i kognitivne neuroznanosti**

Rab, 25. - 26. rujan 2014.

**UM U ZAMCI IZMEĐU  
NEURALNIH I DRUŠTVENIH MREŽA**



**5<sup>th</sup> International Symposium on  
Psychiatry and Cognitive Neuroscience**

Rab, September 25 & 26, 2014

**MIND IN THE GAP BETWEEN NEURAL  
AND SOCIAL NETWORKS**



# UM U ZAMCI IZMEĐU NEURALNIH I DRUŠTVENIH MREŽA

Rab, 25. - 26. rujan 2014.

## Uvodna riječ

Poštovane kolegice i kolege, dragi prijatelji, U pripremi je naša 5 ISPCN. Kao i prethodnih godina posvetit ćemo je čovjeku kao izvoru energije, ljubavi, intelekta, kao jedinom živućem obećanju za bolju budućnost. A budućnost trebamo pisati već sada.

Tema našeg simpozija su neuralne i društvene mreže i njihova povezanost. Suvremeni trendovi u neuroznanosti, neurologiji, psihijatriji i neuropsihologiji upućuju na područja mozga odgovorna za prilagođeno ponašanje, integraciju i socijalnu kogniciju, a kognicija i emocije su međuovisni i uzajamno osnažujući. Mnogi čimbenici snažno utječu na fiziološke procese u mozgu i remete njegovu homeostazu uvjetujući funkcionalne, biokemijske i morfološke promjene. Tajne mozga su još uvijek nedovoljno otkrivene da bismo se mogli prepustiti genskom determinizmu i neuroprogramiranju. Ipak, u svijetu znanosti sve više se govori o neuropredikciji.

Živimo u svijetu brzih promjena u kojem se u ime ugone, humanosti i dobrobiti često promoviraju najnehumanije i najokrutnije

ideje. Vrijeme moćne tehnologije traži i nalazi nove puteve do ljudskog mozga i mijenja naše predodžbe o svijetu.

Da li će nekadašnji psihički profil, ili status kojeg je poznavala klasična klinička psihijatrija, sasvim zamijeniti *face* profil? Jesmo li svjesniji svijesti ili se naše svakodnevno funkcioniranje mijenja, a da toga nismo niti svjesni?

Neodoljiva privlačnost, (ne)sigurna sigurnost i pojava novih ovisnosti o virtualnom ima sve više psihičkih, ali i ekonomskih posljedica u realnom svijetu. Učinci na našu kogniciju i njezine domene strastveno angažiraju emocije, a emocije su vodič i brzi prijenosnik energije koje mogu moderirati um kada god to požele. Tražit ćemo puteve neuralnog, osobnog i društvenog i pričati o vezama tj. konekcijama.

Dobro došli na naš 5. simpozij u kojem ćemo zajedno promišljati o promjenama na neuromembrani o čudesnoj bijeloj tvari i filozofiji uma u kontekstu neuralnih i društvenih mreža i traženju najboljih avatara.



# MIND IN THE GAP BETWEEN NEURAL AND SOCIAL NETWORKS

Rab, September 25 & 26, 2014

## Welcome letter

Dear colleagues, dear friends,

The preparations for 5th ISPCN are in full swing. As in previous years, we are dedicating the conference to the subject of human as a source of energy, love, intellect and the only living promise of a better future. And we have to create the future in the present.

This symposium discusses the subject of neural and social networks and their relationship. Modern trends in neuroscience, neurology, psychiatry and neuropsychology suggest there are areas of the brain responsible for adaptive behaviour, integration and social cognition, and cognition and emotion are interdependent and mutually invigorating. Many factors strongly influence the physiological processes in the brain and disrupt the homeostasis with consequent functional, biochemical and morphological changes. The secrets of the brain have still not been revealed to the point where we could rely on genetic determinism and neuroprogramming. However, in the world of science the topic of neuroprediction is increasingly present.

We live in a rapidly changing world in which often the most inhumane and the cruellest ideas are promoted in the name of comfort

and well-being of humanity. The time of powerful technologies seeks and finds new ways to the human brain and changes our perceptions of the world.

Will former psychic profile or status, as was known in classical clinical psychiatry, completely be replaced by Facebook profile? Are we more aware of our consciousness or is our daily functioning changing and we are not even aware of it?

The irresistible attraction, (un)reliable security and the emergence of new addictions to something virtual is showing ever more psychological and economic consequences in the real world. The effects on our cognition and its domain passionately engage the emotions, and emotions are a guide and a quick transfer of energy that can moderate the mind whenever they want. We will seek the neural pathways of both personal and social, and talk about the connections.

Welcome to our 5th conference where we will reflect on the changes on the neural membrane, on the wondrous white matter and the philosophy of mind in the context of neural and social networks and search for the best avatars.



# UM U ZAMCI IZMEĐU NEURALNIH I DRUŠTVENIH MREŽA

Rab, 25. - 26. rujna 2014.

## PROGRAM

### ČETVRTAK, 25. rujna / THURSDAY, September 25

9:00 REGISTRATION

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10:00 OPENING OF 5TH ISPCN

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**Chairpersons: Tomislav Rukavina, Vlasta Rudan, Bojan Zalar**

10:30 Norman Sartorius *Mental Health Services for the 21st Century*

11:00 Sir David Goldberg *Common Mental Disorders – The problem of overlapping syndromes*

11:30 Peter Pregelj *From Cell to Society*

11:45 Borben Uglešić *From Classic Experiential to Contemporary Therapeutic Procedures*

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12:00 DISCUSSION

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12:15 COFFEE BREAK

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**Chairpersons: Borut Peterlin, Borben Uglešić, Tanja Frančišković**

12:30 Mark Agius *Recovering from a First Episode of Psychosis*

13:00 Andrej Kastelic, Nuša Šegrec *Health Care Including Mental Health and Addiction Treatment in Closed Communities/Custodial Settings*

13:15 Dorotea Mück Šeler *Serotonin and Cognition*

13:30 Jerko Valković *Contemporary Communication and Formation of Human Identity*

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13:45 DISCUSSION

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14:00 LUNCH BREAK

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**Chairpersons: Peter Pregelj, Mark Agius, Vesna Šendula Jengiđ**

15:15 Graham Barnes *Cybernetics of Mind: Intertaction of Neural and Social Networks through the Prism of Hypnosis*

15:45 Vlasta Rudan *"Self" and "Selfie" – a Psychoanalytic Perspective*

16:00 Aleš Maver et al. *Stress: Can we Learn from Genomic Networks?*

16:15 Tomislav Puđić *Evolutionary, Adaptive Value of Psychopathological Personality Differences and Unpleasant Emotions*

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16:30 DISCUSSION

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16:45 Boran Uglešić *What Can We Learn from Our Patients About the Treatment of Schizophrenia?*

17:00 Aleksandar Savić *Motivation, Neurocognition and Social Functioning in Schizophrenia*

17:15 Križo Katinić *On the Road to Recovery – What Happens Between Two Doses?*

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17:30 COFFEE BREAK

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17:45 POSTER SECTION

**Chairpersons: Aleš Maver, Gordan Bošković, Katarina Popović**

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18:45 END OF DAY 1

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# MIND IN THE GAP BETWEEN NEURAL AND SOCIAL NETWORKS

Rab, September 25 & 26, 2014

## PROGRAM

### PETAK, 26. rujna / FRIDAY, September 26

<b>8:30</b>	<b>REGISTRATION</b>	
<b>9:30</b>	<b>PARALLEL SECTIONS</b>	
	<b>WORKSHOP (CONFERENCE HALL)</b> Graham Barnes, HYPNOSIS PRACTICUM Science, Practice, Life	<b>WORKSHOP (LAVENDER HOUSE)</b> Daniel Winterbottom Mind and Nature
		<b>STUDENT SECTION (DEPARTMENT FOR INTEGRATIVE THERAPY)</b> (see page 7)
<b>11:00</b>	<b>COFFEE BREAK</b>	
	Chairpersons: Elvio Baccarini, Silva Butković Soldo, Andrej Kastelic	
11:15	Vida Demarin	<i>Arts, Brain and Cognition</i>
11:45	Predrag Šustar	<i>Metamorphosis of Science – Distributed Cognitive Systems</i>
12:00	Arijana Turčin	<i>“Evidence Based Medicine” vs. “Forum Based Medicine”</i>
12:15	Predrag Pale	<i>Does our Neural Network Shape our Social Network, or Is It the Other Way Around?</i>
12:30	Križo Katinić	<i>Das vorgangene geht, das gewesene kommt</i>
<b>12:45</b>	<b>DISCUSSION</b>	
<b>13:00</b>	<b>LUNCH BREAK</b>	
	Chairpersons: Miljenko Kapović, Križo Katinić, Jerko Valković	
14:15	Davor Pavuna	<i>The Mind and the Way Out from the Trap of Social Networks</i>
14:45	Tanja Frančisković	<i>Social Networks – a New Space of Koinonia</i>
15:00	Alan Šustić	<i>New World of Learning – The Implications for Medical Educators</i>
15:15	Hrvoje Handl	<i>To Face or not to Face the Face of the Face</i>
<b>15:30</b>	<b>DISCUSSION</b>	
<b>15:45</b>	<b>COFFEE BREAK</b>	
	Chairpersons: Alan Šustić, Predrag Šustar, Dorotea Mück Šeler	
16:00	Daniel Winterbottom	<i>Mind and Nature – Empowerment through Connection</i>
16:30	Nela Pivac	<i>The Role of Catechol-O-Methyltransferase in Cognition</i>
16:45	Silva Butković Soldo	<i>Nonpharmacological Aspects of Neurorehabilitation</i>
17:00	Lovro Vidmar et al.	<i>Genomic Medicine and Society</i>
17:15	Gordan Bošković	<i>Self Disclosure and Social Media</i>
17:30	Vesna Šendula-Jengić	<i>Mind in the Gap between Neural and Social Networks</i>
<b>17:45</b>	<b>FINAL DISCUSSION</b>	
<b>18:00</b>	<b>END OF PROGRAM</b>	



# UM U ZAMCI IZMEĐU NEURALNIH I DRUŠTVENIH MREŽA

Rab, 25. - 26. rujan 2014.

## POSTER SECTION

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- 1** Addictive Effects of Childhood Abuse and Cannabis Abuse on Clinical Expressions of Bipolar Disorders  
Monica Aas, Bruno Etain, Frank Bellivier, Chantal Henry, Ole A. Andreassen, Ingrid Melle
- 
- 2** Psychopathy and Public Reasons  
Elvio Baccarini and Luca Malatesti
- 
- 3** Avatar Therapy – Concept Analysis  
Anja Maravić, Marko Ćurković, Ilaria Ćulo, Domagoj Vidović
- 
- 4** Experienced Stigma and Discrimination in Croatian Sample of Patients with Schizophrenia and Depressive Disorder  
Domagoj Vidović, Marko Ćurković, Ivana Jolić, Petrana Brečić
- 
- 5** Neurological Aspects of Dyslexia  
Anna Charchyan
- 
- 6** Virtual Reality as a Tool for Physical and Cognitive Rehabilitation  
Martina Šendula Pavelić, Jelena Hodak
- 
- 7** Conceptual Discord in Psychiatry: How to Web and Integrate Different Models in Unifying Aspect of Mental Disorders  
Suzana Jonovska, Snježana Soldo Bagarić
- 
- 8** Gene Variants Associated with Schizophrenia in a Norwegian Genome-Wide Study are Replicated in a Large European Cohort  
Lavinia Athanasiu, Morten Mattingsdal, Anna K Kähler, Andrew Brown, Omar Gustafsson, Ingrid Agartz, Ina Giegling, Pierandrea Muglia, Sven Cichon, Marcella Rietschel, Olli P. H. Pietiläinen, Leena Peltonen, Elvira Bramon, David Collier, David St Clair, Engilbert Sigurdsson, Hannes Petursson, Dan Rujescu, Ingrid Melle, Vidar M Steen, Srdjan Djurovic, Ole A. Andreassen
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- 9** Therapeutic Garden for People with Dementia  
Daniel Winterbottom, Srna Krtak, Stanko Stergaršek, Iva Rechner Dika, students from the Department of Landscape Architecture, College of Build Environment, University of Washington and students from School of Landscape Architecture, Faculty of Agriculture, University of Zagreb
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- 10** The Possibilities of Biofeedback and Neurofeedback Method  
Paulina Pavić
- 
- 11** What's on Your Mind? – The Relationship between Facebook Use, Substance Abuse and Personality Dimensions  
Nikola Babić, Ivana Guščić
- 
- 12** Transdisciplinary Holistic Integrative Psychiatry: an Introduction  
Snježana Soldo Bagarić, Suzana Jonovska
- 
- 13** Blind Through Life  
Željko Jančić Zec
- 
- 14** A Hand Crafted Web of Personal Remembrances. Using Vernacular Photography and Crocheting as a Therapeutic Tool.  
Geska Brečević, Robert Brečević
- 
- 15** Computational Methods for the Development of New Drugs for Control of Epigenetic Changes  
Željko Svedružić, Katarina Popović, Patrik Nikolić, Vedran Miletić
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# MIND IN THE GAP BETWEEN NEURAL AND SOCIAL NETWORKS

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## STUDENT SECTION

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**Chairpersons: Predrag Pale, Tatjana Ružić, Suzana Jonovska**

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- 1** Đorđe Pojatić, Dunja Degmečić  
Obsessive Personality Traits and the Use of Facebook

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- 2** Ivana Rukavina, Mia Dubravčić  
Cyberbullying – Myth or a Real Problem?

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- 3** Elma Kandić, Avdi Murtezani, Anamarija Jovanovska, Elena Gjorchevska,  
Haris Babačić, Viktorija Vujović, Beti Zafirova  
Questionnaire on Dependence on the Internet: Results of Students and High  
School Students

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- 4** Luka Fotak, Iva Dumančić, Damir Čačić, Igor Salopek  
Habit of Using Social Networks Among Medical Students

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- 5** Dušanka Beslač, Ivana Babić, Igor Salopek  
The Role of Social Networks in the De-stigmatization of Mental Illness

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- 6** Edin Begić, Amir Jahić, Zijo Begić, Nedim Begić, Ema Tahto, Malik Ejubović  
Bias and the Implications for the Vaccination of Children

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- 7** Matija Fenrich, Marija Heffer  
Lack of Sleep as a Potential Pathogenic Factor in Alzheimer's Disease

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Kotizacija iznosi 300 kn i uključuje: prisustvo na svim predavanjima, sekcijama i odabranim radionicama, program ISPCN, ovjerenu Potvrđnicu o sudjelovanju, popratne materijale i osvježanje u stankama skupa. Kotizacija za specijalizante i doktorande (uz dokaz o upisanom doktorskom studiju) 200 kn, te za osobe u pratnji 100 kn. Studenti su oslobođeni plaćanja kotizacije.

## 5. internacionalni simpozij psihijatrije i kognitivne neuroznanosti

# UM U ZAMCI IZMEĐU NEURALNIH I DRUŠTVENIH MREŽA

Rab, 25. - 26. rujan 2014.

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### Organizacijski odbor

prof. dr. sc. Miljenko Kapović  
prof. dr. sc. Borut Peterlin  
doc. dr. sc. Vesna Šendula Jengić  
prof. dr. sc. Bojan Zalar

### Stručno – znanstveni odbor

prof. dr. sc. Elvio Baccarini  
prof. dr. sc. Goran Dodig  
prof. dr. sc. Tanja Frančičković  
prof. dr. sc. Rudolf Gregurek  
prof. dr. sc. Miro Jakovljević  
prof. dr. sc. Vlado Jukić  
dr. sc. Andrej Kastelic  
prof. dr. sc. Križo Katinić  
prof. dr. sc. Đulijano Ljubičić  
doc. dr. sc. Đulija Malatestinić  
mr. sc. Predrag Pale  
prof. dr. sc. Vlasta Rudan  
prof. dr. sc. Silva Butković Soldo

### Počasni odbor

prof. dr. sc. Norman Sartorius  
akademkinja Vida Demarin  
prof. dr. sc. Tomislav Rukavina  
prof. dr. sc. Alan Šustić  
Borben Uglešić, profesor emeritus  
prof. dr. sc. Aleksandar Včev

### Izvršni odbor

Gordan Bošković, prof.  
Sanela Bunčić Burlović, dr. med.  
Štefica Deželjin, vms  
Jelena Hodak, prof.  
Matea Igljić, dr. med.  
Helena Matušan, dr. med.  
Vedran Orešković, dr. med.  
Katarina Popović, dr. med., neurolog  
Bernarda Ravnić, dr. med.  
Igor Salopek  
Marija Tomac Stojmenović, dr. med.  
Anamaria Vidas  
Ira Zaharija, dr. med.

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### GENERALNI SPONZOR



PHARMACEUTICAL COMPANIES  
OF Johnson & Johnson



SAPERE  
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