



LANGUAGE AND THOUGHT IN THE BRAIN AND IN MENTAL HEALTH 4TH CONSORTIUM SATELLITE MEETING, PAVIA Event programme

Morning, 30th March – Conference
Sala del Camino, IUSS, Pavia

8:00 - 9:00	Registration
9:00 - 9:15	Welcome and Introduction
	DISCOURSE – Italian Chapter Chair: Marta Bosia (<i>Università Vita-Salute San Raffaele</i>)
9:15 - 9:45	Giorgio Di Lorenzo (<i>University of Rome Tor Vergata</i>) Neurophysiological dynamics and their association with language
9:45 - 10:15	Giuseppe Delvecchio (<i>Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico</i>) Language dimensions and networks: From normal function to psychosis
10:15 - 10:45	Claudio Brasso (<i>Department of Neuroscience "Rita Levi Montalcini", University of Turin</i>) The Disorganization Dimension in Psychosis: Interplay with Cognition and Functioning
10:45 - 11:15	Coffee Break
11:15 - 11:45	Laura Fusar Poli (<i>Department of Brain and Behavioral Sciences, University of Pavia</i>) The lived experience of people with mental disorders: a phenomenological approach with focus on restraint
11:45 - 12:30	Interview with Cinzia Stella (Person with Lived Experience)
12:30 - 13:00	Round table: Roberto Cavallaro ¹ , Lena Palaniyappan ² , Susan Rossell ³ , Iris E. Sommer ⁴ ¹ Università Vita-Salute San Raffaele; ² Douglas Mental Health University Institute & McGill University; ³ Swinburne University; ⁴ University of Groningen
13:00 - 14:30	Lunch Break + Poster Session 1 (from 1 to 14)



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Afternoon, 30th March – Conference
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DISCOURSE - Working Groups Chair: Valentina Bambini (IUSS Pavia)		
14.30 – 14.50		Lena Palaniyappan (Douglas Mental Health University Institute & McGill University) State of the consortium
14.50 – 15.00		Valeria Lucarini (Université Paris Cité & Hôpital Sainte Anne, Paris) Introducing a New Workgroup - Phenomenology in Language and Communication
15.00 – 15.10		Sunny Tang (Feinstein Institutes for Medical Research) A Longitudinal Speech Protocol Developed with Lived Experience Input
15.10 – 15.40	Computational Methods Group	Alban Voppel (Douglas Mental Health University Institute & McGill University) Updates and Flash Talks: Rui He (Universitat Pompeu Fabra) - Reliability of Computational Measures from Spontaneous Speech: Test-Retest Assessment and Cross-Linguistic Validation Chiara Barattieri di San Pietro (IUSS Pavia) - New approaches to modeling delusional speech Claudio Palominos (Universitat Pompeu Fabra) - Summarizing linguistic behavior into symptom-predictive indices
15.40 – 16.00	Theory, Mechanisms and Models Group	Issac Fradkin (Hebrew University of Jerusalem) Toward Mechanistically Interpretable NLP Metrics of Natural Speech: Challenges and Paths Forward
16:00 - 17:00	Coffee Break + Poster Session 2 (from 1 to 14)	
DISCOURSE - Working Groups Chair: Sunny Tang (Feinstein Institutes for Medical Research)		
17.00 – 17.15	Stakeholders Group	Natália Mota (Instituto de Psiquiatria UFRJ) Industry Perspective Recap
17.15 – 17.40	Clinical Translation Group	Valentina Bambini ¹ , Susan Rossell ² , Marta Bosia ³ (¹ IUSS Pavia; ² Swinburne University; ³ Università Vita-Salute San Raffaele) Advances in sharing tools for reducing disorganization
17.40 – 18.00	Clinical Harmonization Group	Frederike Stein ¹ and Vanteemar S. Sreeraj ² (¹ University of Marburg; ² NIMHANS) Updates and Consensus-Based Taxonomy of FTD: A way forward
18.00 – 18.20		Joanne Berry-Frith (Lecturer Graphic Design and Illustration, Loughborough) Artist presentation
18.20 – 18.30	Concluding remarks	
20:00 - 22:00	Social Dinner	



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31st March – Workshops

DISCOURSE WORKSHOPS		
	Sala del Camino	Aula 1.15
9:00 – 10:45	Tilo Kircher (Department of Psychiatry and Psychotherapy & Center for Mind, Brain and Behavior, Universität Marburg, Germany) Assessing FTD (TALD)	Krish Singh (School of Psychology, Cardiff University) Brain Oscillations
10:45 - 11:15	Coffee Break	
11:45 – 13:00	Gina Kuperberg (Tufts University) Prediction in language & psychosis	Valentina Bambini, Federico Frau (IUSS Pavia) Assessing Pragmatics (APACS)
13:00 - 14:00	Lunch Break	
14:00 – 14:30	Chiara Cerami (IUSS Pavia) The Signature Initiative	
14.30 – 14.45	Fabio Cei (Casa dell' Art Brut) Language and Thought in Outsider Art	
14:45 – 16:30	Alessandro Pigoni (Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico) Machine Learning applications in psychosis	Francesca Ferri (Department of Neuroscience, Imaging and Clinical Sciences, University of Chieti-Pescara) Bodily signals and the Psychotic Continuum
16:30 – 17:00	Coffee Break	
17:00 - 18:45	Chiara Barattieri di San Pietro (IUSS Pavia) Verbal Fluency and NLP	Davide Bottari (MoMiLab Research Unit, IMT Lucca) Leveraging Neural Entrainment to study Multimodal Language Development



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DISCOURSE – Poster Session 1 Morning, 30th March	
1.	<i>Jacopo Sapienza¹, Chiara Barattieri di San Pietro², Ginevra Martinelli², Cinzia Gjeckaj³, Biagio Scalingi⁴, Federica Cocchi¹, Carmelo Guglielmino¹, Roberto Cavallaro¹, Valentina Bambini², Marta Bosia³</i> (¹ IRCSS San Raffaele Hospital, Milan, Italy; ² IUSS, Pavia; ³ Università Vita-Salute San Raffaele; ⁴ Universidad Complutense;) The lived experience of auditory hallucinations: a computational linguistic approach to inform clinical decisions
2.	<i>Clara Benedetta Soldovieri¹, Giulia Agostoni², Margherita Bechi², Federica Repaci², Luca Bischetti³, Federico Frau³, Mariachiara Buonocore², Jacopo Sapienza², Federica Cocchi², Carmelo Guglielmino², Roberto Cavallaro², Valentina Bambini³, Marta Bosia¹</i> (¹ Università Vita-Salute San Raffaele; ² IRCSS San Raffaele Hospital, Milan, Italy; ³ IUSS, Pavia) Targeting pragmatics in schizophrenia: effects of PragmaCom on figurative language comprehension
3.	<i>Linda Dori, Veronica Sordi, Francesca Ferroni, Martina Ardizzi, Francesca Magnani, Matteo Tonna</i> (University of Parma, Italy) Peripersonal space plasticity patterns and correlations with language disorders in the schizophrenia spectrum
4.	<i>Alessandro Di Lisi</i> (University of Bologna, Italy) Subjective language disturbances in ultra-high risk for psychosis what relevance for clinical prognosis? A 2-year follow-up study
5.	<i>Federico Frau¹, Luca Bischetti¹, Carola Cappadonna¹, Ginevra Martinelli¹, Biagio Scalingi², Chiara Barattieri di San Pietro¹, Marta Bosia³, Valentina Bambini¹</i> (¹ IUSS, Pavia; ² Universidad Complutense; ³ Università Vita-Salute San Raffaele) Pragmatic impairment and disorganization: from test development to clinical application
6.	<i>Arianna Biancalani</i> (University of Bologna) Formal Thought Disorders in First Episode Psychosis: Insights from a PANSS-Based Assessment
7.	<i>Elizabeth Ray</i> (Mount Sinai Icahn School of Medicine, New York, USA) What a Clinical Interview Measures Depends on How It Is Conducted: Automated PSYCHS Severity Rating from Open-Ended Speech
8.	<i>Fiona Meister</i> (McGill University, Douglas Mental Health University Institute, Quebec, Canada) Assessing Ecological Communication Difficulties in SSD through Pragmatics: A Gricean-Anchored Tool for Clinical Use and AI Integration
9.	<i>Amir Nikzad</i> (Zucker Hillside Hospital, Northwell Health, New York, USA) Neurocognitive Correlates of Disorganized Speech in Individuals with Schizophrenia Spectrum Disorder
10.	<i>Felix Menne</i> (ki:elements GmbH, Saarbrücken, Germany) Digital Cognition Profiling in Schizophrenia Using Automated Speech-Derived Features
11.	<i>Farida Zaher</i> (McGill University, Douglas Mental Health Institute, Quebec, Canada) Natural Language Processing to Detect Altered Mental States Post Ketamine Administration
12.	<i>Berat Arslan</i> (Dokuz Eylül University, İzmir, Türkiye) Variability in Computational Linguistic Profiles in Psychosis
13.	<i>Laurin Plank</i> (Ruhr-University Bochum, Germany) Using Social Media to Study Language in Psychosis
14.	<i>Dalia Elleuch</i> (University of Sfax, Tunisia) Deciphering the Impact of Childhood Trauma on Schizophrenia: A Qualitative Case Study of Dialogical Aspects



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DISCOURSE – Poster Session 2 Afternoon, 30th March	
1.	Ginevra Martinelli ¹ , Biagio Scalingi ² , Carola Cappadonna ¹ , Agnese Lombardi ¹ , Federico Frau ¹ , Cristiano Nichini ³ , Matteo Rocchetti ⁴ , Cecilia Spallarossa ⁵ , Marta Bosia ⁶ , Chiara Barattieri di San Pietro ¹ , Valentina Bambini ¹ (¹ IUSS Pavia; ² Universidad Complutense; ³ Department of Mental Health and Addiction, ASST Pavia, Pavia; ⁴ University of Pavia; ⁵ Department of Brain and Behavioral Sciences, University of Pavia; ⁶ Università Vita-Salute San Raffaele) Speech markers and subjective experience of delusion
2.	Federico Fiori Nastro ¹ , Valerio De Lorenzo ² , Martina Pelle ¹ , Alice Clemente ¹ , Giorgio Di Lorenzo ¹ (¹ University of Rome Tor Vergata; ² IIT-CNR; ³ Eurac Research, Institute for Renewable Energies, Bolzano, Italy) Language-based markers of thought disorganization: a multigroup study using semantic network metrics
3.	Valerio De Lorenzo (University of Rome Tor Vergata) Enhancing Semantic Network Abilities in Psychosis: comparative study for the preliminary results of the Co.Di.S. protocol as an Add-on to Cognitive Remediation
4.	Francesca M. Bosco ¹ , Claudio Brasso ¹ , Alberto Parola ² , Paola Rocca ³ (¹ University of Turin; ² University of Copenhagen; ³ University of Trento) Pragmatic bias and the comprehension of communicative intentions in patients with schizophrenia
5.	Iannotta Federica Iannotta ¹ , Laura De Santis ² , Arianna Catino ¹ , Caterina Ceparano ¹ , Walter Del Monaco ¹ , Gabriele Pezzullo ¹ , Claudio Ricci ³ , Andrea de Bartolomeis ⁴ , Rita Francese ² , Felice Iasevoli ¹ (¹ University School of Medicine "Federico II", Naples, Italy; ² University of Salerno; ³ University of Bologna; ⁴ National Institute of Mental Health, National Institutes of Health, Bethesda) Artificial intelligence-based rating of the Thought and Language Disorder scale in schizophrenia
6.	Alban Voppel (McGill University, Douglas Mental Health University Institute, Quebec, Canada) Lost in Transcription: A Multi-Task Assessment of Whisper ASR in Psychosis
7.	Ramon Reis dos Santos Ferreira (McGill University, Quebec, Canada) Automatic Speech Recognition failure in psychosis: a hierarchical cascade of semantic-to-lexical predictive misalignment
8.	Chaimaa El Mousli (McGill University, Douglas Mental Health University Institute, Quebec, Canada) Context Matters: Task-Specific Reliability and Discriminability of Speech Markers in Schizophrenia
9.	Evann Rabeau (Université Laval, Sorbonne Université, Université Paris cité) Using SpeechGraphs to characterize narrative disturbances in schizophrenia
10.	Claudio Palominos (Universitat Pompeu Fabra, Barcelona, Spain) Altered scale-free dynamics of semantic similarity in psychosis: cross-linguistic evidence from Visibility Graph analysis
11.	Samuele Vallisa (Universitat Pompeu Fabra, Barcelona, Spain) Compression failure in psychosis
12.	Laetitia Yingqi Wang (Western University, Ontario, Canada) Impaired Network Control underlying Impoverished Thinking in Schizophrenia
13.	Elif Kizilay (Dokuz Eylul University, İzmir, Türkiye) Reduced Cortical Gyrfication Is Linked to Lower Lexical Overlap With Neurotypical Speech in Psychosis
14.	Hsi (Tiana) Wei (McGill University, Douglas Mental Health University Institute, Quebec, Canada) Beta oscillations provide a unified mechanism for predictive dysfunction across perception and expression in psychosis