

Physics & Philosophy 2015

The Fourth Conference
Time, Space and Space-Time
Split, 6.–7.7.2015.



Program

PONEDJELJAK (6. SRPNJA 2015)

Filozofski fakultet · Prirodoslovno-matematički fakultet, Teslina 12, Velika dvorana (polukat)

8:45–9:15		Opening
9:15–10:45	Jean-Marc Lévy-Leblond	From relativity to chronogeometry. The twin paradox (re)“visited and (finally?) tamed
11:15–12:00	Tomislav Živković	How experimentally to detect quantum transformations in space and time
12:00–12:45	Marko Uršič	The enigma of the existence of time
13:00–13:30	Dragan Poljak and Mirko Jakić	Nature of time asymmetry in modelling of physical systems
13:30–14:00	Tonći Kokić	Presocratic concept of time
16:00–16:45	Aurelien Perera	Should simulation — as a computer experiment — guide theory or the opposite? A liquid state physicist point of view
16:45–17:30	Jadran Vrabec	Simulation, theory and experiment in thermodynamics from an engineer’s point of view
17:30–18:00	Tomaž Urbič	What is anomalous in liquids and is there liquid-liquid phase transition?
18:30–19:15	<i>Physics and Philosophy:</i> book presentation.	Presenters: Filip Grgić, Dragan Poljak

UTORAK (7. SRPNJA 2015)

Filozofski fakultet · Prirodoslovno-matematički fakultet, Teslina 12, Velika dvorana (polukat)

9:00–9:45	Scott Walter	Radio telemetry and the birth of spacetime conventionalism
9:45–10:30	Nevenko Bilić	Space and time in modern cosmology
10:45–11:15	Zvonimir Šikić	There is only one speed
11:15–11:45	Dubravko Horvat, Zoran Narančić and Saša Ilijić	Wormhole geometries and exotic matter
11:45–12:15	Ivana Skuhala Karasman and Filip Grgić	Time of death
12:30–13:00	Jadran Beganović	Some remarks on Reichenbach’s philosophy of space and time
13:00–13:30	Vasil Penchev	Beyond and across space: entanglement
13:30–14:00	Luka Boršič	The concepts of time and space just before the emergence of modern science
16:00–16:30	Kristina Šekrst	The cosmological theory of inflation: problems, possible answers, and computational complexities
16:30–17:00	Domagoj Kuić	What is probability and what is then statistical mechanics?
17:00–17:30	Peter Lukan	Time and probability
17:30–18:00		Closing of the conference: Franjo Sokolić and Berislav Žarnić

Organizatori:

Filozofski fakultet u Splitu
Prirodoslovno-matematički fakultet u Splitu
Fakultet elektrotehnike, strojarstva i brodogradnje u Splitu
Institut za filozofiju u Zagrebu