

FIS Track Workshop

Triangular relationship information–reality–cognition

Through the prism of physical-biological-cognitive sciences,
computing and philosophy

Draft Schedule

Session 1 (90 min.):

Chair: Marcin J. Schroeder

1. Marcin J. Schroeder: Short opening of the Workshop. **5 min.**
2. Pedro C. Marijuán, Senior Researcher, Instituto Aragonés de Ciencias de la Salud, Zaragoza, Spain
"What does it Mean to Be an Information Scientist in the XXIst Century?" **45 min.**
3. Mark S Burgin, Gordana Dodig Crnkovic * Chalmers University of Technology and University of Gothenburg, Sweden
"Computation as Information Transformation" **20 min.**
4. Ron Cottam *, Willy Ranson, Roger Vounckx
"Scale, Hyperscale and Metascalar Information in Living Systems" **20 min.**

Session 2 (90 min):

Chair: Gordana Dodig Crnkovic

5. John Collier, Professor, Philosophy and Ethics, University of KwaZulu-Natal, Durban, South Africa
"What must the world be like to have information about it?" **45 min.**
6. Robert K. Logan, Professor Emeritus, Physics, University of Toronto, Canada
"Physics, Biology, Cognition and Information" **45 min.**

Session 3 (90 min):

Chair: Ron Cottam

7. Søren Brier, Professor with Special Responsibilities, Department of International Business Communication, Copenhagen Business School, Denmark

"Why are meaning and experience in cognition and communication outside science? And what are the consequences for our worldview?" **45min.**

8. Rickard von Haugwitz *, Gordana Dodig Crnkovic, Alexander Almér, Chalmers University of Technology and University of Gothenburg, Sweden

"Computational Account of Emotion, an Oxymoron?" **20 min.**

9. Marcin J. Schroeder, AIU,

"Information Science: New Response to Old Challenges in the Scientific View of Reality"
20 min.

10. Gordana Dodig Crnkovic, Short Closing of Workshop. **5 min.**