

## Special Session *New Directions in Information Processing*

Session organizer: **Rao Mikkilineni**

The schedule is designed in Los Angeles (PDST) time while the time at the place of the presenter is given in parentheses.

It is supposed that between each 2 talks, there is a 5 minutes break for questions and discussion. In other words, it is a 15 min presentation + 5 min questions and discussion. It is also possible to make 20 minutes presentation without discussion after it.

### **Meeting 1**

Monday September 13: 10:00-11:00 LA (14:00-15:00 Prince Edward Island; 13:00-14:00 New York; 14:00-15:00 Rio de Janeiro) 17:00-18:00 UTC

Zoom Address:

<https://us02web.zoom.us/j/81153865090?pwd=ZURMUzRXUmtlUmdsN2JtbVZTNTBvZz09>

Meeting ID: 811 5386 5090

Passcode: 599959

### **Session Moderator: Chip Venters, CEO, Equal Access Carriers Inc, Wilmington, NC, USA**

10:00 (14:00) Campeanu, Cezar; *Relative Randomness and Descriptive Complexity*

10:20 (14:20) Abrahão, Felipe; Wehmuth, Klaus; D'Ottaviano, Itala; de Carvalho, Leonardo; and Zenil, Hector; *Expected emergent open-endedness from partial structures extensions under algorithmic perturbations*

10:40 (13:40) Eberbach, Eugene; *Undecidability and Complexity for SuperTuring Models of Computation*

### **Meeting 2**

Tuesday September 14: 11:00 - 12:20 LA (14:00 - 15:20 Toronto and New York; 20:00 - 21:20 Western Europe) 18:00-19:20 UTC

Zoom Address:

<https://us02web.zoom.us/j/84597395398?pwd=a1hRK0FzMGduZ2s5SE1lNFdjWjJUUT09>

Meeting ID: 845 9739 5398

Passcode: 869148

### **Session Moderator: Chip Venters, CEO, Equal Access Carriers Inc, Wilmington, NC, USA**

11:00 (14:00) Akl, Selim; *Quantum Exclusivity: Uniquely Non-Classical Information Processing*

11:20 (14:20) Salay, Nancy and Akl, Selim G.; *Information Processing in Consciousness*

11:40 (14:40) Burgin, Mark; and Zellweger, Paul; *Modeling data relationships with named sets*

12:00 (21:00) Morana, Giovanni; *Implementing a Rick Predictor using an Autopoietic Machine*

**Meeting 3**

Wednesday September 15: 10:00 - 11:40 LA (18:00 - 19:40 UK; 19:00 - 20:40 Western Europe)  
17:00-18:40 UTC

Zoom Address:

<https://us02web.zoom.us/j/89563206580?pwd=YmN0SjlWVTRtcUtPOUUvbFhPc3dzQT09>

Meeting ID: 895 6320 6580

Passcode: 558045

**Session Moderator: Chip Venters, CEO, Equal Access Carriers, Inc., Wilmington, NC, USA**

10:00 (18:00) Adamatzky, Andrew; Goles, Eric; Tsompanas, Michail-Antisthenis; Martinez, Genaro J.; Ayres, Phil; Tegelaar, Martin; and Wosten, Han A.; *Family of Fungal automata*

10:20 (19:20) Pap, Endre; *Pseudo-analysis as a tool of information processing*

10:40 (19:40) Gentili, Pier Luigi; *Implementing Fuzzy Sets and Processing Fuzzy Logic Information by molecules*

11:00 (20:00) Wurtz, Tilmann; *Information processing in living cells: mapping a logic gate to a gene regulation event*

11: 20 (20-20) General Discussion

Presentations may be pre-recorded. See **instructions-for-authors** on the website for details.