Dynamics on and of Complex Networks (DOOCN XI)

Program

Session 1 – Morning

09:00–09:10   **Welcome and introductions**

09:10–09:50   **Constantine Dovrolis** , "The hourglass effect in hierarchical dependency networks"

09:50–10:30   **Ginestra Bianconi,** "Emergent complex network geometry and frustrated synchronization"

10:30–11:00   **Coffee break 1**

Session 2 – Noon

11:00–11:40   **Filippo Radicchi,** "Characterizing the analogy between hyperbolic embedding and community structure of complex networks"

11:40–12:10   **Andrew Mellor,** "Understanding collective behaviour in temporal networks"

12:10–12:30   **Leto Peel**, "Multiscale mixing patterns in networks"

12:30–12:50   **Sandipan Sikdar**, "ComPAS: Community preserving sampling for streaming graphs"

13:00–14:30   **Lunch at the conference**

Session 3 – Afternoon

14:30–15:10   **Sergio Gómez**, "Competition in two-layer multiplex networks"

15:10–15:50   **Manuel Gomez Rodriguez**, "Designing random graph models using variational autoencoders with applications to molecule design"

16:00–16:30   **Coffee break 2**

Session 4 – Evening

16:30–16:50   **Marya Bazzi,** "Generative model for mesoscale structure in multilayer networks"

16:50–17:10   **Parantapa Bhattacharya** , "The Matrix: An agent-based modeling framework for complex systems and data intensive simulations"

17:10–17:55   **Panel discussion**: "What does network science learn from machine learning, and conversely?"

17:55–18:00   **Closing and valedictory**

A satellite workshop at **Conference in Complex Systems 2018, Greece**

Venue: Vellidio Convention Center, Thessaloniki
Date: *Thursday, September 27th 2018*

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