CoMSES Digest: Fall 2018

Volume 6, No. 3   July 1, 2018 – October 5, 2018

Table of Contents:

Editor's Note

Greetings from CoMSES Net - the summer has gone by too quickly, but the CoMSES 2018 virtual conference is now ongoing! See below for details and more updates from the CoMSES Network.

Best,

John T. Murphy, CoMSES Digest Editor

CoMSES News

Virtual Conference: CoMSES 2018

The second CoMSES Net Virtual Conference, CoMSES 2018, is in full swing and will run until October 19th. This virtual conference is taking place entirely online via our Discourse forums with presentations on agent based models of social-ecological systems, methodological issues related to the practice of agent based modeling and a special session on the future of agent-based modeling with presentations contributed by the developers of several agent based modeling platforms: Cormas, Envision, Mesa, Repast and sim4edu. Please feel free to participate and join in the discussion - your input is welcomed and needed!

For more information see https://www.comses.net/conference/2018/ - direct links to the video presentation threads are also listed below.

From the Forums

CoMSES 2018 Virtual Conference

Web-Based User Empowerment is the Future of ABM

- https://forum.comses.net/t/web-based-user-empowerment-is-the-future-of-abm/7013

Cormas in 10 years!

- https://forum.comses.net/t/cormas-in-10-years/7014

The Present and Future of ABM by the Repast Team

- https://forum.comses.net/t/the-present-and-future-of-abm-by-the-repast-team/7015

Multi Agent Systems - Experiences in Mixed-paradigm Modeling with Envision, and Some Future Directions

- https://forum.comses.net/t/multi-agent-systems-experiences-in-mixed-paradigm-modeling-with-envision-and-some-future-directions/7016

TRUE GRASP: Actors visualize and explore hidden limitations of an apparent win-win land management strategy in a MAB reserve

- https://forum.comses.net/t/true-grasp-actors-visualize-and-explore-hidden-limitations-of-an-apparent-win-win-land-management-strategy-in-a-mab-reserve/7018

PolicySpace: an open-source, spatial-economic agent-based model

- https://forum.comses.net/t/policyspace-an-open-source-spatial-economic-agent-based-model/7017

Rebel Groups Protection Rackets: Simulating the Effects of Economic Support on Civil War Violence

- https://forum.comses.net/t/rebel-groups-protection-rackets-simulating-the-effects-of-economic-support-on-civil-war-violence/7019

Validating Models of Complex Socio-Ecological Systems in the Mediterranean Using 'Digital Proxies'

- https://forum.comses.net/t/validating-models-of-complex-socio-ecological-systems-in-the-mediterranean-using-digital-proxies/7027

Mesa: An agent-based modeling framework in Python 3

- https://forum.comses.net/t/mesa-an-agent-based-modeling-framework-in-python-3/7039

Agent Based Modeling Workflows with Docker for Collaboration and Reuse

- https://forum.comses.net/t/agent-based-modeling-workflows-with-docker-for-collaboration-and-reuse/7041

General Forum

CFP: GeoSim18: https://forum.comses.net/t/cfp-geosim18/6803

CFP: SI on "Modeling and Simulation of Complex Systems" in ANOR: https://forum.comses.net/t/cfp-si-on-modeling-and-simulation-of-complex-systems-in-anor/6828

James Mickens Usenix 2018 keynote: https://forum.comses.net/t/james-mickens-usenix-2018-keynote/6917

Anatomy of an online misinformation network: https://forum.comses.net/t/anatomy-of-an-online-misinformation-network/6715

Beta data carpentry curriculum for social scientists released: feedback requested: https://forum.comses.net/t/beta-data-carpentry-curriculum-for-social-scientists-released-feedback-requested/6695

Delayed Impact of Fair Machine Learning: https://forum.comses.net/t/delayed-impact-of-fair-machine-learning/6688

Software deposit guidance from the Software Sustainability Institute: https://forum.comses.net/t/software-deposit-guidance-from-the-software-sustainability-institute/6942

Calendar of Events

Conferences and Workshops

CoMSES 2018 Virtual Conference
October 1-19, online
https://www.comses.net/conference/2018/

CSS 2018
October 25-28, Santa Fe, New Mexico
https://www.comses.net/events/498/

Modeling Social Dynamics and Health Behavior Conference
October 26th
https://www.comses.net/events/493/

GeoSim 2018
November 6, Seattle, Washington
https://www.comses.net/events/497/

Extending the Theory of Sustainability
December 5-7, Knoxville, Tennessee
https://www.comses.net/events/496/

Courses

Summer school on simulation models - eX Modelo
June 23-29

Submission Opportunities

HUMAINT Winter School "Artificial Intelligence and its ethical, social, legal and economic impact
Feb 4-8, Seville, Spain
https://www.comses.net/events/501/

International Conference on Autonomous Agents and Multiagent Systems
May 13-17, Montreal, Canada
https://www.comses.net/events/503/

Jobs and Appointments

Fully-funded PhD: Agent-Based Modelling of Smart Cities

- https://www.comses.net/jobs/359/

Postdoctoral position: Modelling biodiversity-ecosystem services relationship under climate change University of Montpellier (France)

- https://www.comses.net/jobs/360/

Research position openings: agent based modeling of emergency medical services (NTU Singapore)

- https://www.comses.net/jobs/361/

Software Science Engineer

- https://www.comses.net/jobs/362/

3-year funded PhD position (75%, 30 hrs/week) at University of Klagenfurt, Austria

- https://www.comses.net/jobs/363/

Tenure-track faculty position in GIS with computational social science approach

- https://www.comses.net/jobs/364/

Position in the group Integrated Energy Systems at the University of

Kassel/Germany

- https://www.comses.net/jobs/365/

Post-doc position (1 year, renewable) at the Laboratory of Agent Based Social Simulation of the Institute of Cognitive Sciences and Technologies, Italian National Research Council.

- https://www.comses.net/jobs/366/

Postdoc in agent-based modelling of the St. Lawrence beluga population (September 30th 2018)

- https://www.comses.net/jobs/368/

Postdoctoral Researcher in Reproductive Health Policy

- https://www.comses.net/jobs/369/

Fully funded PhD opportunity Hamburg University of Technology

- https://www.comses.net/jobs/370/

Postdoc on modeling social-ecological dynamics

- https://www.comses.net/jobs/371/

Postdoc at the Institute of Soil Science and Land Evaluation of Universität Hohenheim

- https://www.comses.net/jobs/372/

3-year Postdoc position to model viticultural landscapes with ABM at Uni Twente, NL

- https://www.comses.net/jobs/373/

PhD Position: Automating Policy Analysis using Agent-based Modelling

- https://www.comses.net/jobs/374/

Model Library

New Model Uploads

Eleven new models were uploaded, bringing the total for the year to 41; this is only 5 behind last year's total of 46, with one quarter of the year left. The models range from Cellular Automata to crowd simulations, and span domains from ants building complex and convoluted networks of tunnels to the role of talent vs. luck in career success.

Most Downloaded Models

The 5 most downloaded models include three newcomers:

- A broad societal simulator by T. Gooding
- A disease surveillance simulator by A. Belsare
- A model of smallholder behavior by S. Dobbie

Downloads of these top five trailed the number of downloads reported in the spring and summer issues (424 and 430 in spring and summer vs. 331 for this round), but there was a similar (actually somewhat more severe) drop last year before a rebound during the closing months.