

2nd International Workshop on System Dynamics and Data Analytics (IAWSD-2016)

of the

System Dynamics Africa Chapter

January 21-22, 2016, Nairobi, Kenya

The System Dynamics Africa Chapter is organizing its 2nd Chapter Workshop to exchange novel ideas and practical experience in System Dynamics. The **2nd International Workshop on System Dynamics and Data Analytics (IAWSD 2016)** under the theme “Systems Modelling for Sustainable Development” will be held at the **Kenya School of Monetary Studies in Nairobi, Kenya on 21-22 January 2016**. This is an event organized by the System Dynamics Africa Chapter.

This International Workshop will play a major role in advancing the field of System Dynamics (SD) by leveraging the opportunities brought about by data analytics technologies to address the emerging global societal challenges. The workshop title is of particular interest at this time because of the potential contributions of big data analytics in enhancing system dynamics.

The purpose of this workshop is to facilitate discussion amongst SD academics and practitioners. In addition, the workshop will create awareness of SD and its applications in solving pressing societal challenges across Africa and elsewhere in the world. This workshop would be of interest to SD members, researchers and practitioners in sustainable development and PhD candidates who are interested in SD as a problem solving approach.

Topics of Interest

Authors are invited to submit original basic or applied research, case studies, critical review essays, surveys, opinions and commentaries on how system dynamics may address societal challenges. The topics of interest for this workshop include, but are not limited to:

- Global health and healthcare systems
- Education
- Agriculture and food security
- Drought and Climate change
- Software systems development
- Water usage
- Green energy
- Economic inclusion
- Human mobility (transportation and traffic)
- Policy analysis and development
- Technology innovation / transfer
- Smart cities
- Big data for sustainable development
- Big data analytics in health care
- Big data for innovation and productivity
- Natural resources (oil, gas, geothermal)
- Environment conservation
- Policies for sustainable transition
- Supply chain management
- Project management
- Community resilience
- Security, migration and counter terrorism

General Chair

- Ddembe Williams, President of the System Dynamics Africa Chapter

Technical Program Co-chairs

- Ahmad Taher Azar, Benha University, Egypt
- Allan Brent, Stellenbosch University, South Africa

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- Peter Kiarie, KCA University, Kenya

System Dynamics Savannah School

As part of the Chapter's innovation, there will also be a System Dynamics Savannah School just before the workshop from 18th to 20th January, 2016. The aim of the school will be to provide practical modelling support on a range of emerging societal sustainable development challenges, and a PhD colloquium. Registration for the System Dynamics Savannah School is USD 250. Only miss it if you must!! Please include this as part of your [Registration](#).

Important Dates

- **Paper Submission:** November 15, 2015
- **Author's Notification:** November 30, 2015
- **Camera-ready paper submission:** December 15, 2015
- **Early Registration Deadline:** December 20, 2015
- **System Dynamics Savannah School:** January 18, 2016
- **Workshop:** January 21, 2016

Registration

Early Registration fee for the workshop is \$200 for students and \$350 for non-students. Late Registration fees for the workshop are \$250 for students and \$400 for non-students.

Kindly fill in and submit the [IAWSD 2016 Registration Form](#)

Instructions for Authors

Prospective authors are invited to submit full papers of up to 8 pages, strictly following the [IEEE Template](#). Submitted papers will be double blind peer-reviewed in terms of relevance, originality, contribution, and presentation. Prospective authors are expected to present their papers at the workshop. The papers that are accepted and presented at the workshop will appear in conference proceedings. At least one author of each accepted submission must attend the workshop and every workshop participant must pay the IAWSD 2016 registration fee. Please submit your paper in PDF format via the [Electronic Submission System](#)

Contact

For more information on IAWSD 2016, please contact the organizing team on sd.africachapter@kca.ac.ke

Alternatively, contact the Africa Chapter President (Ddembe Williams) on dwilliams@kca.ac.ke