



Please join us on the next INCOSE Webinar

When

Wednesday 17 March 2021 from 12:30pm-1:30pm EDT
(4:30pm-5:30pm UTC)

Topic

OntoSoS.BPA.ChM: A semantically-enriched and business process architecture-driven framework for change management in the system of systems context.

Speaker

Dr. Ahmad Samhan

Abstract

The interaction and collaboration between the constituent systems in a System of Systems (SoS) context entail more complex and new challenges that face the application of Change Management (ChM) frameworks. For example, it has been found that there is no consensus on generic concepts that can be used to represent change management aspects or on generic change management frameworks that clearly represent the scope of change management processes and the interdependencies between them with regards to current practices, guidelines, and standards in a system-of-systems context.

This talk focuses on presenting a research framework that has been developed

using a semantically-enriched Business Process Architecture (BPA)-driven approach to improve the effectiveness of the ChM application in a SoS context by addressing the above-noticed gaps alongside others.

The research framework is composed of three main components. The ChM component provides a novel, generalised, semantically-enriched, BPA-driven model for the ChM functional area. The SoS context view component provides a new generalised semantically-enriched BPA-driven meta-model that can be instantiated for a given SoS arrangement. Finally, the alignment and knowledge retrieval component aligns the ChM component with the SoS view component and provides knowledge retrieval capabilities to retrieve purposeful knowledge from the ChM and SoS components that enriches the awareness of the concerned ChM stakeholders. The OntoSoS.BPA.ChM framework has been demonstrated and evaluated using a representative healthcare case study, in particular, the Cell Therapy and Applied Genomics (CTAG) at the King Hussein Cancer Centre (KHCC), Amman, Jordan.

Biography

Ahmad Samhan is currently an assistant professor and researcher in the Software Engineering department at Zarqa University, Jordan. He was awarded a PhD in Software Engineering in 2020 by the University of the West of England (UWE), Bristol (UK), where he was a member of the Software Engineering Research Group (SERG). Before joining the UWE PhD programme, he obtained his BSc and MSc honours in Computer Information Systems and worked for six years as a lecturer in several universities in Jordan, UAE, and KSA, also performing a number of administrative roles. Ahmad's research interests include software and systems quality, configuration management, business process modelling, systems of systems, knowledge representation using ontology, and business-IT alignment.

Become an INCOSE Member!

Please follow this link to join INCOSE as a member or associate member:

<https://www.incose.org/incose-member-resources/join-incose>

Our Sponsor for 2021:



How to Connect

IMPORTANT—WEBINAR MOVE TO ZOOM PLATFORM

We have moved to the ZOOM platform for INCOSE webinars. One significant change is we recommend attendees join audio now using the ZOOM platform audio (Voice over Internet). This worked very effectively for the (virtual) International Symposium.

Register in advance for this webinar at:

https://incose-org.zoom.us/webinar/register/WN_UY2R2Uo9St-YOifbdloFw

After registering, you will receive a confirmation email containing information about joining the webinar.

You will also find a copy of the joining instructions on the INCOSE Connect website, at

<https://connect.incose.org/Library/Webinars/Pages/INCOSE-Webinars.aspx>

Notice

Please note that you can now access the webinar using mobile devices. There are 500 virtual seats available for the webinar. Currently they are available on a first-come, first-served basis.

Zoom can be used to record meetings. By participating in this meeting, you agree that your communications may be monitored or recorded at any time during the meeting.

Missed the webinar?

If you miss the webinar, you will be able to see a recording of it on INCOSE Connect at <https://connect.incose.org/Library/Webinars/Pages/INCOSE-Webinars.aspx> where you will also be able to view the previous one hundred and forty-seven INCOSE webinars.

Please note you can now receive a PDU supporting certification renewal by attending an INCOSE technical webinar. Here is the link to details about certification renewal, including information on PDUs.

<https://www.incose.org/systems-engineering-certification/certification-faqs>

Regards,

Andy Pickard
Rolls-Royce Representative, INCOSE Corporate Advisory Board,
Andrew.C.Pickard@rolls-royce.com

Our Sponsor for the 2021 Webinar Program

LOCKHEED MARTIN



STAY CONNECTED:



 SafeUnsubscribe®

This email was sent to info@incose.org by info@incose.org |
Rapid removal with [SafeUnsubscribe™](#) | [About our service provider.](#)



INCOSE | 7670 Opportunity Rd Ste 220 | San Diego | CA | 92111