Systems Thinking and Complexity Sciences in the Context of Health and the Health System

May 24-25,2024

At Alfaisal University, Saudi Arabia, Riyadh

WORKSHOP

Day 1, Friday, May 24, 2024

TIME	SESSION	SPEAKER
08:30 - 09:00	On-site registration and Breakfast	
09:00 – 09:15	Welcome and introduction	**Dr. Saadi Taher** Senior Advisor – Health System Transformation Program, Vision Realization Office, MOH
09:15 – 10:00	History, Philosophy, and moving into a VUCA world	**Dr. Saadi Taher**
10:00 – 10:45	Systems, subsystems, and their interconnectedness	**Dr. Fadia AlBuhairan** Professor and Consultant of Pediatrics and Adolescent Medicine, Alfaisal University
10:45 – 11:00	**Coffee Break**	
11:00 – 12:00	System Tool I: System dynamics modeling, agent-based modeling, causal loop diagrams, causal root analysis	**Dr. Fadia AlBuhairan**
12:00 – 12:45	**Lunch**	
12:45 – 13:45	System Tools II: Vortex as a system mapping framework	**Dr. Saadi Taher**
13:45 – 14:45	Approaching wicked problems through design thinking	**Dr. Ahmed AlAni** Director, Performance & Analytics__ Center for National Health Insurance-CNHI
14:45 – 15:00	Q&A -Wrap-up of Day 1 and setting the stage for Day 2	**Dr. Saadi Taher**

Day 2, Saturday, May 25, 2024

TIME	SESSION	SPEAKER
09:00 – 09:15	Reflections from Day 1	**Dr. Saadi Taher**
09:15 – 10:15	Complexity science key concepts (system emergence, resilience, complexity)	**Dr. Saadi Taher**
10:15 – 11:15	Complex adaptive systems	**Dr. Saadi Taher**
11:15 – 11:30	**Coffee Break**	
11:30 – 12:30	Sensemaking for managing complex problems: Cynefin framework	**Dr. Saadi Taher**
12:30 – 13:30	Complex adaptive systems as it applies to public health and healthcare	**Dr. Fadia AlBuhairan**
13:30 – 14:00	**Lunch**	
14:00 – 15:00	Transforming health systems through systems thinking and complexity sciences	**Dr. Omar AlShanqeety** Adviser HE, MOH
15:00 – 15:15	Q &A-Wrap-up of workshop and reflections	**Dr. Saadi Taher**
15:15 – 16:15	**Workshop & evaluation**	