# EAiTSM

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| Presentation Title | Collaboration Network Organization Construction Framework |
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| Speaker | Mark Yassa |
| Abstract | Business Opportunity (BO) needs dynamic business collaboration and rapid distributed solution. Legacy systems are not enough to cope with it, this raise the need to address diverse aspects of distributed computing concepts that support the various capabilities. One of the main trends of distributed computing is what is called Collaboration Network Organization (CNO). Unfortunately, there is a lack of the countries that are using DVO concepts (i.e., the number of projects in this context is limited). Dynamic Virtual Organizations Constriction Framework (DVOCF) is theoretical description framework to create Dynamic Virtual Organizations (DVO) at the knowledge level. DVOF has been utilized CommonKADS knowledge engineering methodology to model DVO. By utilizing CommonKADS the knowledge of the problem can be structured in three stages context level, concept level and artifact levels DVOF has been identi ed three models namely 1) "New Federated Collaborative Networked Organization Model (FCNOM)", 2) "Virtual Business Collaboration Knowledge Model (VBCKM) and 3) "Collaboration Network Organization Grid-Cloud Convergence Architecture (CNOGCA) Based on Open Grid Services Architecture (OGSA). Each model is composed by an ontology that describes each of the entities covered by the model and where applicable a set of design patterns. |