Thematic Workshop

Title: Improving Economic Development, Regional GDP, Innovation, Education, Skills, Sustainability and Security by creating and growing a professional ICT workforce - IFIP International Professional Practice Partnership

Wed16 May 2012 1615-1800 Room I)

Debated Issues	Potential of Skills and Competences Frameworks in use to produce fragmentation and non-alignment between industry and academia
	Labour force diversity issues including shortages because of the ageing society, lack of STEM graduates and lack of appropriate workplace diversity eg unequal representation of women ICT professionals
	Developing vs developed countries treatments need to be different
	Who should drive the professionalism of its workforce?
	How to develop the maturity of the Society's profession?
Quotes	*"The common denominator for sustained growth in economic development, GDP, innovation, sustainability and security is a professional workforce supported by internationally accredited industry relevant education, demonstrated skills development, recognized ethical conduct and adherence to proven best practices and standards. This involves the collaboration of business, industry, governments, academia, and professional societies."* Stephen Ibaraki, ICT Fellow, Global Fellow, Distinguished Fellow.
	"In our country, there's a desire to create a professional ICT body and we want to find ways to do this. This workshop has shown me that IFIP IP3 is

	an organisation that can help us to achieve this." Samson Mwela, A/Assistant Director Telecommunications *"Industry in Switzerland needs 6000 graduates in ICT, 3500 are graduated, this creates a shortage each year of 2500. IFIP IP3 produces an attractive career path, progression, recognition and mobility addressing skills shortages and shortages in STEM." Professor Raymond Morel, Geneva*
Main Outcomes of the Session	*IFIP IP3 is in a position to assist with the resolution of issues about driving professionalism in the ICT workforce.* *IFIP IP3 mapping and harmonization addresses the fragmentation and non-alignment between industry and academia with regards to Skills and Competences Frameworks.* *IFIP IP3 is taking a proactive approach to solving labour force diversity issues including shortages because of the ageing society, lack of STEM graduates and lack of appropriate workplace diversity eg unequal representation of women ICT professionals.* *IFIP IP3 localized mentorship programs addresses the need for developing vs developed countries and recognises that approaches need to be different.* *IFIP IP3 will support local entities in driving the professionalism of its workforce.* *IFIP IP3 collaborative model and best practices provide a ready toolbox to develop the maturity of the Society's profession.*
Emerging Trends relevant to the Action Line in the context of the WSIS +10 process	*By 2017, 70% of leading-edge firms will be developing Versatilists or those with multiple skills/with a focus on Professionalism and Business. Business Analysts are already in high demand. There are 35M computing workers growing 30% yearly for the next five years. There is an added 50% in IT that are not accounted for. However skills shortages and shortages in STEM will blunt business, industry, governments, education, society, sustainability, security, economic development, and GDP growth without a focus on professionalizing the computing worker.* *ICT is heavy integrated into business, industry, governments, education, society, sustainability, security, economic development and accounts for 50% of GDP growth producing a five times total factor productivity gain. Underlying ICT is a professional and skilled workforce. The IFIP IP3 global professionalism program adds significant value to producing the required outcomes to support ICT:* *- Global standards; Quality assurance; Protection of the public; (Action line C5)* *- Professionalism, Trust, Code of Ethics; AL C10* *- Stronger Voice for the IT practitioner, a Sense of Common Identity; AL C5* *- The feeling of being an Engineer or Executive over a Geek/Pirate; AL C4* *- Business Solutions over Technical Features; AL C5* *- A Career path, progression, recognition, and mobility over an isolated job; AL C4*

	- And growing GDP and innovation over skill shortages and shortages in Science Technology Engineering, Math or STEM. AL C4