E-Health TC Subcommittee
(Status & Next Step)

Globecom TAC Meeting
December 2, 2009

Tsong-Ho Wu, Ph.D.
(twu@research.telcordia.com)
Missions & Operational Structure

- Found: May 2008 (ICC2008)
- Missions (Global Inter-Disciplined, “Soft “Group)
  - Explore ICT solution gaps & business models supporting e-Health services - leveraging ComSoc TC competences
  - Contribute to global healthcare-driven socio-economic challenges - leveraging IEEE’s & governments’ activities

- Approach
  - Through Technical Exchange Platform (Conferences/Publications) and Project Collaboration Platform (among members and with IEEE & governments)

- Operational structure
  - Global steering committee for grid operations
    - Chair (T Wu, USA), Vice Chair (P. Ray, Australia) and 7 steering committee members from USA, Europe, China, Japan, and South Korea
  - e-Health mailing list (ehealth@comsoc.org) with 100+ members (including ComSoc members and collaboration partners)
  - e-Health web site available since March 09 (http://cms.comsoc.org/eprise/main/SiteGen/e_Health/Content/Home.html)
Status - 2009

• Technical Exchange Platform (Conferences/Publications)
  – IEEE 1st International “Medical Application Networking” (MAN) workshop in ICC2009, Dresden, Germany, 14th June 2009
  – 11th International “HEALTHCOM”, Sydney, Australia, 12th-18th December 2009
    • 12th HEALTHCOM becomes an official IEEE ComSoc conference in 2010
  – International Journal on e-Health and Medical Communications (IGI Publishing)
    • In the process to be technical co-sponsored by IEEE (thus Xpore)

• Project Collaboration Platform (IEEE+Governments)
  – IEEE (on behalf of ComSoc) (Selected list)
    • IEEE/UN Foundation Humanitarian Technology Challenge (HTC) Project
    • ComSoc Humanitarian Communications Technical Committee (HCTC) (Committee Member)
    • IEEE Biometrics Council (AdCom + Education Committee)
    • IEEE Special Interest Group of Biology and Health Science (ComSoc Liaison)
    • IEEE Product Safety Engineering Society (PSES) and EMC Society (FDA Collaboration Taskforce)
  – Non-IEEE (Selected list)
    • WHO and ITU-D (Global M-Health Projects in Asia-Pacific region)
    • FDA (Wireless Medical Device Safety & Effectiveness – with IEEE PSES and EMC)
    • TIA/TR-49 (Healthcare ICT) Working Group (Joint panel in Mobiquitous09)
    • World Bank/Japan Government (M-Health for Asia-Pacific developing countries)
    • NIH/Medical Communications Institute (Initial contact)
Planned Activities - 2010

• Technical Exchange Platform (Conferences/Publications)
  – IEEE 2\textsuperscript{nd} International “Medical Application Networking” (MAN) workshop in ICC2010, Cape Town, South Africa, May 2010
  – Will be replaced by a technical track of ICC2011 Technical Programs, Tokyo, Japan, June 2011
  – IEEE 12\textsuperscript{th} HEALTHCOM, Lyon, France, July 2010
  – Pursue a potential IEEE e-Health Magazine and/or a special issue of China Communications Magazine (ComSoc)

• Project Collaboration Platform (IEEE+Governments)
  – Establish a global grid of local e-Health subcommittees to realize collaboration opportunities/projects established in 2009 and pursue new opportunities identified in 2010
  – Examples: US (NIH, FDA), Japan (World Bank), Australia (WHO), China (Humanitarian Communications), EU (FP7), etc
  – Government funding to support ComSoc e-Health activities

• CHALLENGES
  – Project collaboration opportunities and conferences needed to be coordinated and mutually supported for maximum impacts/benefits
  – Need more ACTIVE members with a more formal process and guidelines
  – A resolution of TC status elevation submitted to BoG/VP-TA