



### **DWG2 report, second year**

28 people attended 2 WG2 sessions and 7 TDs were presented. The session on coding and processing related topics covered areas of advanced diversity precoding for OFDM, bit-wise H-costellation mapping for physical layer network coding, information-theoretic assessment of side-information aided broadcast coding, and advanced adaptive ARQ blocking probability analysis in relay based networks. The second session was oriented on practical implementation aspects for various communication systems - ranging from transmission detection scanners, over low power optimised transmitters, to experimental high-speed USRP based testbed. WG2 discussion focused mainly on topics for future IRACON Training Schools. WG2 prefers topic proposed by INSA Lyon (Short packet communications in dense radio networks). The proposal intends to build a connection between advanced information-theoretic results and practical demonstration of their benefits. The actual details are still open and will be finalised in upcoming MCMs.