

Biography Carol Wilson

Carol Wilson studied Electrical Engineering at Virginia Tech in the USA, specialising in radio propagation and attaining a Masters of Science degree. Since 1990 she has worked for Australia's Commonwealth Scientific and Industrial Research Organisation (CSIRO) in Sydney on a wide range of radio system projects, including antenna development for mobile-satellite systems, indoor propagation for WiFi design, and interference studies for broadcasting and earth stations. In 2007, Carol joined the group developing the Australian proposal for the Square Kilometre Array (SKA) telescope and has been responsible for technical issues in evaluating and maintaining the radio quietness of the Western Australia astronomy site. She is also part of the international SKA activity in defining self-generated interference standards for the SKA project.

Carol is very active in the International Telecommunication Union Radiocommunication Study Group 3 on radiowave propagation. She is Chairman of ITU-R Working Party 3M (prediction of propagation for fixed links, satellite systems and interference prediction) and a Vice-Chairman of Study Group 3. She is also active in ITU-R Study Group 7 on radioastronomy spectrum requirements. In national spectrum management consultative processes, Carol represents the propagation community. On three occasions, Carol has represented Australia at the ITU World Radiocommunication Conference which develops international agreements on the use of radiofrequency spectrum.