IEEE Madras Section

Cordially invite you for a Technical talk

On

Amateur Radio Communications, Software and Computer Networks in Education

By

Miroslav "Misko" Skoric
IEEE Section, Austria.

On

Saturday, 20th Sep 2014 at 6.00 p.m.

At

L1, Meeting Hall, (opp. to IEEE Madras Section Office) ISTE Professional Center,
Gandhi Madapam Road, Kottur
Chennai - 600 025.
Land Mark: Opposite to Anna Centenary Library

Dr. N Kumarappan
Secretary,
IEEE Madras Section

Dr. N.R. Alamelu
Chair,
IEEE Madras Section

Program

5.30 : Tea & Fellowship
6.00 : Presentation Followed by Dinner



Abstract: This tutorial begins with introductory information about the amateur radio communications and continues with studying one of the most popular computer-related radio communication modes: the VHF/UHF and HF “packet-radio” (other popular modes, like "amtor", "pactor", "g-tor", "clover" etc. are also the options). The tutorial discusses (with examples) on how to choose inexpensive hardware and software needed for establishing the amateur radio links from either home or work. The tutorial explains step-by-step how to build an AMUNET – the Amateur Radio University Network – a grid of radio stations within or between universities’ campuses and surrounding schools, including an opportunity to become a low-cost solution for communicating in educational institutions in rural areas and developing countries.

Biography: The instructor has 20+ years of experience in computer network administration and system maintenance (Diploma in Business Computing, a local equivalent of M.Sc.) and 20+ years of practice in the amateur radio (licensed amateur since 1989, amateur radio call sign YT7MPB). The instructor has been maintaining various types of amateur radio bulletin board systems (MS DOS, Windows and Linux platforms) with VHF/HF radio frequency and Internet inputs/outputs in the local amateur radio union and clubs-societies. The instructor voluntarily served as the information manager and union’s secretary during the nineties – where he was compiling technical and scientific information for broadcasting via local amateur radio frequencies and repeaters. Teaching experience includes several classes in a local high-school amateur radio club; technical paper presentations during domestic and international events; visiting lectures, tutorials and workshops on the amateur radio in education, one round-table session, four book chapters and several magazine/journal articles, as well as a dedicated web page http://tldp.org/HOWTO/FBB.html featuring a popular amateur radio software user manual. The instructor's researching efforts include his graduate studies in Computer Sciences, as well as his membership in IEEE Computer Society, IEEE Communications Society, IEEE Education Society, ACM, NIAR, and IAENG