

Wireless Internet Center for Advanced Technologies (WICAT)

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High Speed Wireless Personal Area Networks

Wireless personal area network (WPAN) technologies will be embedded in future consumer products to enable high-speed distribution of video and downloading of audio/video files among these products within the home and office. Industry and consumers will be able to move huge amount of pictures, audio, video wirelessly from one device to another device quickly; example: one could move one hour of high quality home video from the camcorder to the media center wirelessly in about 1 minute. Researchers at WICAT have worked to create a computer-based simulator that has been used to debug and validate these WPAN technologies. Work is underway to further develop these technologies and to determine the best way to incorporate these technologies into future consumer and electronic products. For more information, contact Dr. Shiv Panwar at Brooklyn's Polytechnic University, 718.260.3740, panwar@catt.poly.edu.



