# Midi Protocol, Applications and Physical Modeling Synthesis

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On the Wednesday, Nov. 26, 1997 Dr. Hugh Garraway, who is professor in the Department of Computer Science and Statistics of University of Southern Mississippi, gave us talk of "Midi Protocol, Applications and Physical Modeling Synthesis".

First, he said, during the past years they did researches in the Midi Protocol, Applications and Physical Modeling Synthesis which are using hardware and software protocol standardization used in Musical Instrument Digital Interface.

He said that MIDI stands for Musical Instrument Digital Interface, and is a standard by which musical pieces can be stored on a computer. Rather than encoding the actual sounds, as digital sound does, MIDI only stores information about the sounds – pitch, volume, instrument, etc. Since MIDI does not specify the exact sounds to be reproduced, but only lists which instrumental (or sometimes non-instrumental) sounds should correspond to which instrument numbers, a MIDI piece will sound different when played on different equipment.