**Name:** USC COCOTS

**Presenter(s):** Ye Yang

**Objective:** Software cost estimation for systems built from commercial-off-the-shelf (COTS) software components.

**Rationale:** This software is intended to serve as a tool of COCOTS.2002, which is the commercial-off-the-shelf (COTS) software component modeling extension of COCOMO II. It implements both COCOMO II 2002 and COCOTS 2002 models.

**Target Users:** Program manager to estimate COTS integration cost.

**Scope:** This tool provides software cost estimations for COTS-Based Systems based on the combined estimation of COCOMO II and COCOTS models. COCOMO II model is used to estimate custom developed components of an application; COCOTS model is used to mainly focus on estimating three major sources of COTS-related costs: COTS product assessment, COTS product tailoring, and integration or glue code development activities.

**Project Type:** Multi-year USC-CSE research project.

**Runs On:** Windows 95, 98, Me, NT, 2000, XP with Microsoft Excel 97 or later (Enable Macros)

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**Technical Approach:** Following USC-CSE waterfall modeling approach.

**Developers:** Dr. Chris Abts.

**Future Directions:** Model Calibration based on data collection

**Demo Description:**

USC COCOTS.2002.1:

1) COCOTS Assessment submodel
2) COCOTS Tailoring submodel
3) COCOTS Glue Code submodel
4) How to combine COCOTS estimates with COCOMO estimates.