Microwave Multi-Media Module (M4)

- Existing
  - Microwave Multi-Media Module Based on USF’s WAMI [Wireless and Microwave Instructional] Laboratory, L. P. Dunleavy and T. M. Weller, University of South Florida
  - Microwave Engineering Education using Web Based Instruction, Afshin S. Daryoush, Drexel University

- Received new Proposals
  - WAMI Virtual Laboratory (VL) modules: Phase 2, L. P. Dunleavy and T. M. Weller, University of South Florida
  - Concept-Modules-Based Tutorial for Introduction to Microwave Circuits, Ramesh Ramadoss, Huantong Zhang, K.C. Gupta, Concept-Modules LLC, Boulder (Colorado)
Microwave Multi-Media Module (M4)

Microwave Multi-Media Module Based on USF’s WAMI [Wireless and Microwave Instructional] Laboratory, L. P. Dunleavy and T. M. Weller, University of South Florida

- A CD-ROM containing the two (2) “Virtual Laboratories” multimedia modules (in a “work in progress” form) and an Electronic Book with the WAMI Course-ware as PDFs has been distributed to the M4 membership for review.
  - Lumped element filters
  - Understanding a wireless receiver
- Initial comment “my students and I think it [the complete package including all of the modules] has a lot of promise, and they are excited about it.”
- A suggestion has been made that we provide a version of the M4 material to be distributed on the MTT Workshop CDROM in 2001.
Microwave Multi-Media Module (M4)

Microwave Engineering Education using Web Based Instruction, Afshin S. Daryoush, Drexel University

- Afshin D. requested a no-cost extension for a few months
- A no-cost extension was consider by the M4 committee and approved until approximately the first of May
Committee members:
Karl Varian, Coor.
Tatsuo Itoh
Wayne Shiroma
Michael Steer
? (for K.C. Gupta)

Purpose:
To stimulate a multi-media approach whose end goal would be the continuing education and/or training of practicing engineers and graduate students in a specific microwave field with the various electronic tools presently available.

The end product is not intended to be a lecture or an instruction manual, but an engaging learning tool and to be used as a reference source (such as an electronic book or chapter[s] of a book).

Microwave Multi-Media Module (M4)

New Proposal Activity

- The following are the responses received in regards to the RFQ of 10/25/00:
  - Dick Snyder (RS Microwave) - Comments on response
  - Philipp Philippov (Technical University of Sofia) - RFQ response of "O.K."
  - Paul Roche (TechEdge Online Inc.) - Clarification of some issues in regards to RFQ
  - Jim Whelehan (Technical Committee on Microwave Low Noise [MTT-14]) - Reply was "will respond to next years request"
  - Huantong Zhang (Concept-Modules LLC) - Proposal received - rejected
  - Larry Dunleavy (University of South Florida) - Proposal received - M4 committee approved, awaiting AdCom approval
Microwave Multi-Media Module (M4)

WAMI Virtual Laboratory (VL) modules: Phase 2, L. P. Dunleavy and T. M. Weller, University of South Florida

- Phase II of a multi-phase effort
- Generation of at least two additional VL’s modules (for a total of 4 of the 14 experiments)
  - Mixer characterization
  - Dipole and planar antennas
- Update the electronic book containing the WAMI courseware material to include hyperlinks and self contained (not reliant upon active links to other websites)
- Incorporation of comments from beta testing of the phase I VL modules in addition to updating and refining the resource sections
- US$30K for one year (total cost of US$66.4K, remainder will be cost shared by the University of South Florida)
Microwave Multi-Media Module (M4)

WAMI Virtual Laboratory (VL) modules: Phase 2, L. P. Dunleavy and T. M. Weller, University of South Florida

Propose the approval of US$30,000 for WAMI Virtual Laboratory (VL) modules: Phase 2