



MEAD Education S.A.

Transistor-Level Analog Design: Theory and Hands-on

MEAD-EPFL, LAUSANNE, SWITZERLAND
JUNE 22-26, 2015

MONDAY, June 22

8:30-10:00 am	Introduction & MOS Transistors	Klaas Bult
10:30-12:00 am	Single-Stage OpAmps, Part 1	Klaas Bult
1:30-3:00 pm	Single-Stage OpAmps, Part 2	Klaas Bult
1:30-3:00 pm	Noise in MOS Transistors	Klaas Bult

TUESDAY, June 23

8:30-10:00 am	Distortion	Klaas Bult
10:30-12:00 am	Basic Sub-Circuits	Klaas Bult
1:30-5:00 pm	Matching of MOS Transistors in Deep-Submicron	Marcel Pelgrom

WEDNESDAY, June 24

8:30-10:00 am	Gain-Boosting & Settling Behavior	Klaas Bult
10:30-12:00 am	Two-Stage Amplifiers	Klaas Bult
1:30-5:00 pm	Layout Considerations in Mixed-Signal Circuit Design	Marcel Pelgrom

THURSDAY, June 25

8:30-10:00 am	MOS Device Sizing	Maher Kayal
10:30-12:00 am	OTAs Procedural Sizing	Maher Kayal
1:30-5:00 pm	LAB SESSION: Basic OTA design	Maher Kayal+ assistants

FRIDAY, June 26

8:30-10:00 am	Digitally-Assisted Offset Compensation	Maher Kayal
10:30-12:00 am	LAB SESSION: Folded Cascode design	Maher Kayal+ assistants
1:30-3:00 pm	LAB SESSION: Offset reduction design	Maher Kayal+ assistants
