

DELTA-SIGMA DATA CONVERTERS

JUNE 13-24, 2022

ON-LINE CLASS by Microsoft TEAMS



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|--------------------|------------------------------|---|------------------------------|----------------------------|
| WEEK 1 | JUNE 13-17, 2022 | 10 Modules (1:30hr each), 2 Modules per day | | |
| WEEK 2 | JUNE 20-24, 2022 | 10 Modules (1:30hr each), 2 Modules per day | | |
| DAILY | Central European Time | Eastern Standard Time | Pacific Standard Time | India Standard Time |
| | CET | EST | PST | IST |
| Module 1 | 3:00-4:30 pm | 9:00-10:30 am | 6:00-7:30 am | 6:30-8:00 pm |
| Module 2 | 5:00-6:30 pm | 11:00 am -12:30 pm | 8:00-9:30 am | 8:30-10:00 pm |
| WEEK 1 | Module | | | |
| Monday, June 13 | 1 & 2 | Delta Sigma Converter Basics – Parts A & B | | SHANTHI PAVAN |
| Tuesday, June 14 | 1 & 2 | Delta Sigma Converter Basics – Parts C & D | | SHANTHI PAVAN |
| Wednesday, June 15 | 1 | Delta Sigma Converter Basics – Part E | | SHANTHI PAVAN |
| | 2 | High-Level Design of CT-Delta Sigma Modulators | | SHANTHI PAVAN |
| Thursday, June 16 | 1 | Discrete-Time Delta Sigma Design | | DAVID JOHNS |
| | 2 | Introduction to the Delta Sigma Toolbox | | DAVID JOHNS |
| Friday, June 17 | 1 | Bandpass Delta Sigma ADCs | | DAVID JOHNS |
| | 2 | Incremental and Sensor ADCs | | DAVID JOHNS |
| WEEK 2 | Module | | | |
| Monday, June 20 | 1 | Circuit Techniques to Mitigate Flicker Noise in CTDS Modulators | | SHANTHI PAVAN |
| | 2 | Non-Idealities in Continuous-Time DS Modulators | | SHANTHI PAVAN |
| Tuesday, June 21 | 1 | Design of Building Blocks for CTDSM Modulators - part 1 | | SHANTHI PAVAN |
| | 2 | Design of Building Blocks for CTDSM Modulators - part 2 | | SHANTHI PAVAN |
| Wednesday, June 22 | 1 | Systematic Design Centering of a Practical CTDSM | | SHANTHI PAVAN |
| | 2 | FIR Feedback in CTDSMs | | SHANTHI PAVAN |
| Thursday, June 23 | 1 | Introduction to Dynamic Element Matching and Calibration | | SHANTHI PAVAN |
| | 2 | Cascaded Continuous-Time Delta-Sigma Converters | | SHANTHI PAVAN |
| Friday, June 24 | 1 | Case Studies : Part 1 | | SHANTHI PAVAN |
| | 2 | Case Studies : Part 2 | | SHANTHI PAVAN |