

ESDA ONLINE ACADEMY

RECORDED ON-DEMAND COURSES

✓	#	Course Title	Cert.	#Credits
		3D Integration with Through-Silicon Via (TSV)		1
	FC363	Advanced ESD/EMI Auditing Techniques		1
	DT300	Advanced HBM – Dealing with Tester Parasitics, High Pin Count and Two Pin Testing	DT	1
	FC391	Basics of ESD Process Assessment		3
	DT200	CDM Testing Essentials	EDEC DT	1
	GP230	Charged Board Events: A Growing Industry Concern		1
	DD200	Charged Device Model Phenomena, Design and Modeling	DD	3
	IF21-4	Circuit Design - Pcell, Clamps Design, Different ESD Protection Concept		3
	DD300	Circuit-Level Modeling and Simulation of On-Chip Protection	DD	3
	FC110	Cleanroom Considerations for the Program Manager	PrM	3
	FC211	Compliance Verification: Pitfalls of Auditing		1
	FC180	Controlling ESD in Automated Equipment by Proper Grounding		1
	IF21-2	Design Constraints of ESD Circuits for High-Speed Applications		1
	FC241	Developing a Compliance Verification Program		1
	DT202	Device Stress Testing Standards Update	DT-R	1
	FC220	Device Technology & Failure Analysis for the Program Manager	PrM	3
	DT230	Device Testing Correlation to Root Cause Failure Analysis		1
	FC262	Electric Fields and Particles: Practical Considerations		1
	FC360	Electrical Overstress (EOS) in Manufacturing and Test		3
	FC260	Electrostatic Attraction		1
	FC380	Electrostatic Calculations for the Program Manager (4 Hrs)	PrM	3
	DD104	Electrostatic Discharge Effects In Integrated Circuit Technologies		1
	GP250	EOS-A Big Challenge in Today's Handling of Customer Rejects		1
		EOS: A New Focus		1
	FC100	ESD Basics for the Program Manager	PrM	5
	DD100	ESD Circuits		3
	DD240	ESD Device Qualification Testing	DD	3
	DD110	ESD from Basics to Advanced Protection Design	EDEC DT	
	DT140	ESD Fundamentals I for Stress Testing	DT	1
	DT141	ESD Fundamentals II for Stress Testing	DT	1
	DD208	ESD Parameters for the Foundry, IC Designer and IP/EDA Vendor		3
	GP331	ESD Problem Solving		1

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	FC340	ESD Program Development and Assessment (ANSI/ESD S20.20 Seminar)	PrM	
	DD201	ESD Protection and I/O Design		3
	FC166	ESD QMS Best Practices Strategy Including Class 0 and Costly Controversial ESD Myths		3
	IEDS21-1	ESD Solutions for RF Applicationa		3
	FC210	ESD Standards Overview for the Program Manager	PrM	3
	DD231	ESD System Level: Physics, Testing, Debugging of Soft and Hard Failures		3
	IF21-6	ESD Testing: Different TLP, Different IEC testing, Surge Test, etc		1
	DT220	ESD Test Simplification with Approved Sampling Methods in HBM	DT-E	1
	DT143	Essentials for Controlling the ESD Work Area	DT	1
	DD134	Fundamentals of ESD System Level	EDEC	1
	DT142	Fundamentals of Failure Analysis	EDEC DT	1
	DT130	Fundamentals of System Level Testing	DT-E	1
	FC231	Grounding in an Electrostatic Protected Area Chinese		1
	FC231	Grounding in an Electrostatic Protected Area		1
	FC121	Grounding- Variations, Concepts, Nuisances, Equipment, & Troubleshooting		3
	DT100	Human Body Model Testing Essentials	EDEC DT	1
	DT211	High Speed Digital Oscilloscope Fundamentals	DT	1
	FC181	Highlights and key concepts of Footwear/Flooring Standards		1
	FC181	Highlights and key concepts of Footwear/Flooring Standards Korean		1
	FC181	Highlights and key concepts of Footwear/Flooring Standards THAI		1
	DT131	HMM – System Level Testing of Components		1
	FC101	How To's of In-Plant ESD Auditing and Evaluation Measures	PrM	5
	DD311	Impact of Technology Scaling on Components High Current Phenomena and Implications for Robust ESD Design	DD	3
	DD103	Integrated Circuit ESD Fundamentals	EDEC	3
	DD340	Integrated ESD Device and Board Level Design		2
	IEDS21-4	Introduction to ESD Design in High Voltage Technologies		3
	DD150	Introduction to RF ESD Design		3
	FC120	Ionization Issues and Answers for the Program Manager	PrM	3
	DD112	Latch-up Fundamentals	DD	1
	DD214	Latchup Physics and Prevention		3

Setting the Global Standards for Static Control!

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	DT201	Latch-up Testing and Troubleshooting	DT-E EDEC	1
	GP330	Overview on Efficient and Reliable System-Level ESD		1
	FC200	Packaging Principles for the PrM	PrM	3
	DD222	Practical Aspects of Latch-Up for Low Voltage CMOS: Design Rules, Layout Floor Planning, and Test		1
	IEDS21-2	Quantifying System Level ESD and Protecting I/O		3
	FC105	Safe Equipment Handling In Your EPA Explained		1
	IF21-3	SoC ESD Design and Verification		3
	DD132 FC132	Susceptibility Testing of Devices and Systems		1
	IF21-1	System Level ESD & EMC Design		3
	DD240 FC240	System Level ESD/EMI: Principles, Design Troubleshooting, & Demonstrations		3
	DD130 FC130	System Level ESD/EMI: Testing IEC & Other Standards	DD	3
	FC140	System Level for the Program Manager	PrM	3
	DD117	TCAD Fundamentals		1
	DD205	TCAD Methodologies for Industrial ESD Design		1
	IF21-5	Tech Needs for ESD Enablement: Impact of Technology Parameters, Technology Scaling vs ESD Design		3
	DT210	TLP Fundamentals–Understanding the Equipment Options	EDEC DT	1
	IEDS21-3	Towards Optimal ESD Protection Diodes in Advanced Bulk FinFET and GAA Technologies		1
	DD220	Transmission Line Pulse (TLP) Basics and Applications	DD	3
	FC361	Ultra-sensitive (Class 0) Devices: ESD Controls and Auditing Measurements		3
	GP241	Ultra-Sensitivity Trends and CDM		1
	DD/ FC122	Use of Digital Sampling Oscilloscope for ESD Measurement		3
	DT212	VF-TLP, An Introduction to Capabilities and Applications	DT-E	1

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Our online classes are designed into four main disciplines or subject matter noted as the starting letters in the class number; FC-Factory Control, Manufacturing classes; DD-Device Design classes; DT-Device Stress Testing classes; EDEC-Design Engineer classes; and GP-General Practitioner classes.

We offer certification programs which are designated: Program Manager (PrM), Device Design (DD), Device Stress Testing (DT), and ESD Design Engineer Certificate (EDEC). Our online academy training form provides a table that lists subject matter letters in the class “#” column and the certification letters in the “cert” column.

\$195.00 USD per person, per 1 Credit

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- Bring new employees up to speed.
- Achieve ESD Design Engineer Certification (EDEC) online.
- Achieve Device Stress Testing Certification online.
- Program Manager Certification online courses

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