


















# Zhejiang University Information & Electronic Engineering Students Summer Program

## Week 1

Sunday Day 1	Monday Day 2	Tuesday Day 3	Wednesday Day 4	Thursday Day 5	Friday Day 6	Saturday Day 7
<p>Arrive in Los Angeles</p>  <p>Grocery Shopping</p> <p>Dinner</p> <p>Apartment Check-in</p>	<p><u>9:00am - 10:00am</u> <b>Welcome Ceremony</b> <b>Program Orientation</b></p> <p><u>10:00am – 12:00pm</u> <b>Campus Tour</b></p>  <p><u>12:00pm – 1:30pm</u> <b>Welcome Luncheon</b></p> <p><u>1:30pm – 4:30pm</u> <b>Lecture:</b> <b>Innovation and entrepreneurship situation</b></p> 	<p><u>9:00am - 12:00pm</u> <b>Lecture:</b> <b>Review Digital Signal Processing Concepts, Time domain response of FIR and IIR filters</b></p>  <p><u>12:00pm – 1:30pm</u> <b>Lunch Break</b></p> <p><u>1:30pm – 4:30pm</u> <b>Lecture:</b> <b>Design and Implementation of Filters with FPGA Board Basys 3 (6 Hands-on Labs using Simulink/Xilinx for Analysis and Simulation)</b></p>	<p><u>9:00am – 12:00pm</u> <b>Visit:</b> <b>University of California, Los Angeles</b></p>  <p><b>Visit:</b> <b>University of Southern California</b></p> 	<p><u>9:00am - 12:00pm</u> <b>Lecture:</b> <b>Frequency Domain Response of FIR and IIR filters, Comb filters, Notch filters, Digital Sinusoidal Oscillators (1)</b></p>  <p><u>12:00pm – 1:30pm</u> <b>Lunch Break</b></p> <p><u>1:30pm – 4:30pm</u> <b>Lecture:</b> <b>Design and Implementation of Filters with FPGA Board Basys 3 (6 Hands-on Labs using Simulink/Xilinx for Analysis and Simulation)</b></p>	<p><u>9:00am - 12:00pm</u> <b>Lecture:</b> <b>Frequency Domain Response of FIR and IIR filters, Comb filters, Notch filters, Digital Sinusoidal Oscillators (2)</b></p>  <p><u>12:00pm – 1:30pm</u> <b>Lunch Break</b></p> <p><u>1:30pm – 4:30pm</u> <b>Lecture:</b> <b>Design and Implementation of Filters with FPGA Board Basys 3 (6 Hands-on Labs using Simulink/Xilinx for Analysis and Simulation)</b></p>	<p><b>Universal Studio</b></p> 









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## Week 2

Sunday Day 8	Monday Day 9	Tuesday Day 10	Wednesday Day 11	Thursday Day 12	Friday Day 13	Saturday Day 14
<p style="text-align: center; color: purple;">San Diego</p> 	<p><u>8:30am – 12:00pm</u> Lecture: American Science and Technology Development</p>  <p><u>12:00pm – 1:30pm</u> Lunch Break</p> <p><u>1:30pm – 4:30pm</u> Lecture: Design and Implementation of Filters with FPGA Board Basys 3 (6 Hands-on Labs using Simulink/Xilinx for Analysis and Simulation)</p>	<p><u>9:00am - 12:00pm</u> Lecture: Design FIR and IIR filters (Floating/Fixed points)</p>  <p><u>12:00pm – 1:30pm</u> Lunch Break</p> <p><u>1:30pm – 4:30pm</u> Lecture: Design and Implementation of Filters with FPGA Board Basys 3 (6 Hands-on Labs using Simulink/Xilinx for Analysis and Simulation)</p>	<p><u>9:00am – 12:00pm</u> Visit: Hollywood Walk of Fame</p>  <p><u>12:00pm – 1:30pm</u> Lunch Break</p> <p><u>1:30pm – 4:00pm</u> Visit: TCL Chinese Theater</p> 	<p><u>9:00am - 12:00pm</u> Lecture: Discrete Fourier Transform (DFT), Fast Fourier Transform (FFT) Discrete Fourier Series (1)</p>  <p><u>12:00pm – 1:30pm</u> Lunch Break</p> <p><u>1:30pm – 4:30pm</u> Lecture: Design and Implementation of Filters with FPGA Board Basys 3 (6 Hands-on Labs using Simulink/Xilinx for Analysis and Simulation)</p>	<p><u>9:00am - 12:00pm</u> Lecture: Discrete Fourier Transform (DFT), Fast Fourier Transform (FFT) Discrete Fourier Series (2)</p>  <p><u>12:00pm – 1:30pm</u> Lunch Break</p> <p><u>1:30pm – 4:30pm</u> Lecture: Design and Implementation of Filters with FPGA Board Basys 3 (6 Hands-on Labs using Simulink/Xilinx for Analysis and Simulation)</p>	<p style="text-align: center; color: red;">Disney Land</p> 

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## Week 3

Sunday Day 15	Monday Day 16	Tuesday Day 17	Wednesday Day 18	Thursday Day 19	Friday Day 20	Saturday Day 21
<p>Outlet SHOPPING!!</p> 	<p><u>9:00am – 9:15am</u>  <b>Lecture:</b>  <b>Public Speaking</b>  <b>Skills- Medical</b>  <b>Conference</b>  <b>Presentation Skills</b></p>  <p><u>12:00pm – 1:30pm</u>  Lunch Break</p> <p><u>1:30pm – 4:30pm</u>  <b>Lecture:</b>  <b>Design and</b>  <b>Implementation of</b>  <b>Filters with FPGA</b>  <b>Board Basys 3</b>  <b>(6 Hands-on Labs</b>  <b>using</b>  <b>Simulink/Xilinx for</b>  <b>Analysis and</b>  <b>Simulation)</b></p>	<p><u>9:00am - 12:00pm</u>  <b>Lecture:</b>  <b>Decimation and</b>  <b>Interpolation</b></p>  <p><u>12:00pm – 1:30pm</u>  Lunch Break</p> <p><u>1:30pm – 4:30pm</u>  <b>Lecture:</b>  <b>Design and</b>  <b>Implementation of</b>  <b>Filters with FPGA</b>  <b>Board Basys 3</b>  <b>(6 Hands-on Labs</b>  <b>using</b>  <b>Simulink/Xilinx for</b>  <b>Analysis and</b>  <b>Simulation)</b></p>	<p><u>9:00am – 12:00pm</u>  <b>Visit:</b>  <b>East Village Arts</b>  <b>District</b></p>  <p><u>12:30Pm – 3:30</u>  <u>pm</u></p> <p><b>Visit:</b>  <b>The Pike at</b>  <b>Rainbow Harbor</b></p> 	<p><u>9:00am - 12:00pm</u>  <b>Lecture:</b>  <b>Frequency</b>  <b>Resolution for</b>  <b>Target Detection</b></p>  <p><u>12:00pm – 1:30pm</u>  Lunch Break</p> <p><u>1:30pm – 4:30pm</u>  <b>Lecture:</b>  <b>Design and</b>  <b>Implementation of</b>  <b>Filters with FPGA</b>  <b>Board Basys 3</b>  <b>(6 Hands-on Labs</b>  <b>using</b>  <b>Simulink/Xilinx for</b>  <b>Analysis and</b>  <b>Simulation)</b></p>	<p><u>9:00am – 12:00pm</u>  <b>Lecture:</b>  <b>Design and</b>  <b>Implementation of</b>  <b>Filters with FPGA</b>  <b>Board Basys 3</b>  <b>(6 Hands-on Labs</b>  <b>using</b>  <b>Simulink/Xilinx for</b>  <b>Analysis and</b>  <b>Simulation)</b></p> <p><u>12:00pm-1:30pm</u>  Lunch Break</p> <p><u>1:30pm – 4:30pm</u>  <b>Students Final</b>  <b>Demonstration</b>  <b>and</b>  <b>Presentation</b></p> <p><b>Graduation</b>  <b>Ceremony</b></p> 	<p><b>Apartment</b>  <b>Checkout</b></p> <p><b>Leave from LAX</b></p> <p><b>Return to China</b></p> 

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*We reserve the right to make changes to this schedule.*

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