

AIM Photonics Academy
AIM Summer Academy 2018 – July 23-27, MIT
Integrated Photonics: Fundamentals, Applications and Implementation
PIC Fundamentals Education Track

	Monday	Tuesday	Wednesday	Thursday	Friday
Morning	8-8:50 AM Registration, Welcome				
	9-9:50 AM Photonics Fundamentals	8:30-10:20 AM Integrated Photonics: Active Devices	8:30-10:50 AM PICs: Fabless Silicon Photonics Design Flow	8:30-10:20 AM PIC Fabrication: Design for Manufacturing	8:30-11:30 AM Design Presentations Student Teams' Design Project Review
	10-12 PM Integrated Photonics: Passive Devices			10:30-11:20 PM IPSR PIC Roadmap	
		10:30-12 PM Integrated Photonics: Chip Process Flow	11-12 PM AIM PDK & MPW for Photonic Design	11:30-12 PM EPDA Tool Overview	
	Lunch 12-1 PM				
Afternoon	1-1:50 PM EPDA Tool Overview	1-1:50 PM EPDA Tool Overview	1-1:50 PM EPDA Tool Overview	1-1:50 PM EPDA Tool Overview	
	2-3:50 PM Tutorial: Datacom, RF Photonics	2-3:50 Tutorial: Sensing, Augmented Imaging	2-3:50 PM PIC Packaging	2-2:30 PM Introduction to AIM TAP Facility 2:30-4:20 PM PIC Optical & Electrical Testing	
	4-6 PM Design Team Breakout Session <u>Define Problem</u> - Digital/Datacom - Analog/RF - Sensors - AR, 3D	4-6 PM Design Team Breakout Session <u>Select Components</u> - Digital/Datacom - Analog/RF - Sensors - AR, 3D	4-6 PM Design Team Breakout Session <u>Plan Circuit Layout</u> - performance - constraints - options - PIC layout	4:30-6 PM Design Team Breakout Session <u>Finalize Design</u> - process integration	
Evening			6-8 PM Networking Dinner		