

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

	Monday	Tuesday	Wednesday	Thursday	Friday
Morning	8-8:50 AM Registration, Welcome				
	9-12 PM EPDA Workshop	8:30-12 PM EPDA Workshop	8:30-12 PM EPDA Workshop	8:30-11:20 AM EPDA Workshop	8:30-11:30 AM Design Presentations
	PIC Device Design	PIC Circuit Simulation	PIC Circuit Layout	PIC Design Review Checking	Student Teams' Design Project Review
				11:30-12 PM EPDA Tool Overview	11:30-12:15 PM Conclusion - Education/Workforce - Roadmap
	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 PM Tutorial: Sensing, Augmented Imaging	2-3:50 PM PIC Packaging	2-2:30 PM Introduction to AIM TAP Facility	
	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	2:30-4:20 PM PIC Optical & Electrical Testing	4:30-6 PM Design Team Breakout Session <u>Finalize Design</u> - process integration
Evening			6-8 PM Networking Dinner		