



THE PATH TO COMMERCIAL SUCCESS

TECHNOLOGY AND ECONOMICS OF INTEGRATED PHOTONICS MANUFACTURING

November 29-30, 2018

MIT, Samberg Conference Center, Cambridge, MA

AIM Photonics Institute • The MIT Microphotronics Center • INEMI

WHO SHOULD ATTEND? *AIM Photonics and MIT Microphotronics Center Members, Integrated Photonics Professionals, Faculty, Students; Companies in the Integrated Photonics Marketplace*

THURSDAY, NOVEMBER 29 APPLICATION DRIVERS AND ADOPTION

SESSION 1: KEYNOTE ADDRESSES

- NETWORK EVOLUTION: ACTION AT THE EDGE
- DATA CENTER SWITCHES, ROUTERS AND ARCHITECTURE
- AUGMENTED REALITY AND 3D IMAGING
- RF NETWORKS AND 5G RAMP
- IoT SENSOR NETWORKS

LUNCH AND MIT MICROPHOTONICS CENTER BOARD MEETING

SESSION 2: NEW TECHNOLOGY LEVERAGE

- COST AND THE MANUFACTURING EXPERIENCE CURVE
- SUCCESS FACTORS FOR FOUNDRY-BASED MANUFACTURING
- INTEGRATION AND LASER RELIABILITY
- BANDWIDTH DENSITY
- INTEGRATING WITH INTERPOSERS
- WAFER-LEVEL PACKAGING
- BACKWARDS COMPATIBILITY LIMITATIONS
- SUPPLY CHAIN LIMITATIONS

NETWORKING SOCIAL

FRIDAY, NOVEMBER 30 ASSESSMENT AND ROADMAP BREAKOUT SESSIONS

SESSION 3: LESSONS LEARNED

SESSION 4: APPLICATION INTEREST GROUP (AIG) INTERIM REPORTS

SESSION 5: 'INTERCONNECTION HIERARCHY 2035' INTERIM REPORT

SESSION 6: APPLICATION INTEREST GROUP (AIG) BREAKOUTS

SESSION 7: COMPONENT MANUFACTURING TWG BREAKOUTS

SESSION 8: INTEGRATED PHOTONIC SYSTEM ROADMAP TWG REPORT BACKS

SESSION 9: LESSONS LEARNED

SESSION X: MIT.NANO AND MASSACHUSETTS LEAP FAB TOUR