**Integrated Photonics**

**377.2.5599**

**Presentation 20% (one presentation) demands:**

1. Preparation: The frames will be prepared for professional presentation using *Beamer* frames written in the *LaTeX* code or ppt.
2. Topic: One of the course topics (please coordinate with the Lecturer)
3. Duration: The presentation will last at least 45 minutes.
4. Points to consider: Introduce the background on the topic, then a) Literature overview to introduce the topic presented in the frames, b) detailed theoretical background, c) considerations for the systems that can be designed and comparison to similar devices, d) possible future works.
5. Presentations **dates**:

**Topics:**

Coupling between Waveguides, Utilization of the deep learning in integrated photonics, Electro-Optic Modulators, Distributed-Feedback Lasers, Acousto-Optic Modulators, Optical Amplifiers on a chip, Integrated Optical Detectors, Photonic and Microwave Wireless Systems, Nanophotonics – see R. G. Hunsperger, ‘Integrated Optics’ Theory and Technology

**Please send the topic you wish to present to** **alinak@bgu.ac.il** **for approval by Monday 2 November 2020.**

**Good luck!**