

Ganex school

10-14 June 2019, Agay

Broad introduction :

1. G. Feuillet

Band structure, optical transitions, effective masses

2. G. Cassabois

Optical properties,

3. G. Cassabois

Growth and impact on material properties:

4. N. Grandjean : Growth 1
5. N. Grandjean : Growth 2

Electronics

6. B. Jouault : Electronic transport
7. E. Matioli : Basics of III-N transistors
8. E. Matioli : State of the art transistors

Optics:

9. H. Riechert : LEDs, physics and devices
10. T. Wernicke : laser, physics and devices
11. B. Gayral: nanophotonics ou manip optiques

Modeling

12. M. auf der Maur : Physics modeling
13. M. auf der Maur : Device modeling and commercial softwares