**Seminar 8**

Please propose **2-3** realization approaches according to the required functions assigned to each group. It is asked to:

* Take into account the practical **components parameters** and **control scheme**;
* Discuss the **differences** between the proposals that you provide;
* Select the optimal one among your proposals and state your reason;
* Simulation and analysis on operating principle.

**Group 6:** You are assigned to design a DC-DC Switching Mode Power Supply. The input voltage should be set as 12Vdc for each phase, and the output voltage and current should be set as 220Vdc/30A. You should also pay attention that the peak-to-peak value of the output voltage ripple should not be larger than 5% of nominal output voltage.