

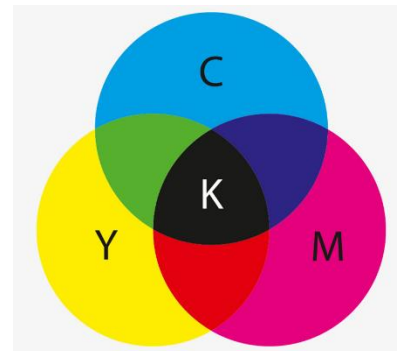
Master Thesis

The Chair of Materials for Electronics and Energy Technology (WW6, i-MEET) is offering the following master thesis topic to interested students:

Multi-Colored Organic Photovoltaic Modules

Details:

End of 2024, our group has set a new world record for organic photovoltaic (OPV) modules with an efficiency of 14.5% on 204 cm². Furthermore, the “Solar Factory of the Future” is operating a roll-to-roll production line that can fabricate semitransparent solar modules of many different colors. Now we want to max out the design benefits of OPV by developing novel multi-colored OPV modules. This involves fundamental research (spectroscopy, electrical characterization, optical simulations...) on the materials and device level as well as the final development of artistic large-area modules.



The work will be conducted at the Energie Campus Nürnberg (Solar Factory of the Future) in the Emerging PV Modules Group led by Dr. Andreas Distler.

Application via email starting from 1.9.2024. Starting date can be shortly after.

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