

Workshop – Materials

In this fully packed 1-day workshop **infiniPV** offers training in large scale flow synthesis, large scale batch synthesis, large scale ink preparation and handling of adhesives for packaging solar cells. The module can be taken on its own during a 1-day course that comprise hands on practical work with the needed instructions. When taken as part of our full workshop series (recommended) or simply together with the printing workshop you will make the most of your acquired knowledge by being able to use the materials in the manufacture of printed solar cells. You will prepare large amounts of conjugated polymers using flow synthesis and learn how to purify them (100 g scale). You will prepare inorganic materials in batch synthesis for carrier transport (100 g scale). You will prepare inks for printing electrode systems (500 mL scale) and you will handle sealing materials and adhesives for packing solar cells made from the materials prepared. Prior to the day you will complete our e-learning module so that you are ready to make the most out of the day.



Program:

| TIME | DAY 1 |
|-------------|--|
| 08:00-09:00 | Lecture room: Welcome and introduction. Safety in the laboratory, walk through of the experiments and planning the run of the day. |
| 09:00-12:00 | Laboratory: Weighing materials for batch synthesis, starting batch synthesis, weighing materials for flow synthesis, starting up flow synthesis, weighing and mixing adhesives. |
| 12:00-13:00 | Lunch |
| 13:00-17:00 | Laboratory: Work up of the material prepared using flow synthesis, setting up and starting large scale purification, large scale formulation of active inks, work up of batch synthesized material |
| 17:00-18:00 | Lecture room: Wrap up and finishing remarks |

Cost & registration:

Cost: This 1-day workshop is rated at 3999 € for industry and covers all laboratory work, materials and lunches. We offer discount if taken together with the other modules in our series of workshops (see separate flyer with overview of workshops). We offer academic discount of 25% for university employees.

Registration: Please send an e-mail to Workshop@infiniPV.com for registration and include all your details, invoice address, mobile phone number, VAT number (for Europe) and which workshop(s) you wish to attend.