



The **IMI Europe Inkjet Winter Workshop** is the ideal way to learn more about inkjet technology, with an in-depth look at key aspects of digital printing application development.

Mon 23 – Tue 24 January 2017

High Speed Inkjet System Design

Development and integration of digital printing solutions

This course is led by Rob Rogers of Print3 Technologies, and provides an introduction to the challenges of high speed inkjet printer design and process development. It gives a proven framework for development plus practical recommendations on key design areas, testing and solutions to common development mistakes.

Wed 25 – Thu 26 January 2017

Inkjet Drop Behaviour

How ink behaves on, in and above surfaces during inkjet printing

This course covers the detailed behaviour of ink drops, both in flight and when interacting with surfaces, during inkjet printing, providing a conceptual understanding of complex processes impacting print quality. The course leaders are Dr Emma Talbot, Dr Stephen Hoath and Dr Cristina Rodriguez-Rivero of the University of Cambridge.

Thu 26 – Fri 27 January 2017

Inkjet Ink Manufacturing

Manufacturing inks for performance and reliability

This course covers the issues of inkjet ink design, development and testing, scale-up for manufacture and manufacturing itself. It also covers ink plant design and commercial considerations. The course is led by Dr Simon Daplyn and Vincent Wright from Sensient Imaging Technologies



Mon 23 – Tue 24 January 2017

High Speed Inkjet System Design

Development and integration of digital printing solutions

This course provides an introduction to the real world challenges of high speed printer design. The focus is on five key areas: the printer development process, the jetting process, system integration and design, process development and vendor & outside resources management. This course will provide a proven framework for the challenging process of high speed production printer development with practical recommendations on design, testing and solutions to common development mistakes.

Wed 25 – Thu 26 January 2017

Inkjet Drop Behaviour

How ink behaves on, in and above surfaces during inkjet printing

In this course you can learn about drop-substrate interactions during inkjet printing, including effects of inks, surfaces, fluid flows with particles, aerodynamics of drops, drying & curing and assessment of print quality. With an in-depth look at areas such as ink flow both on and inside the surface, drying and curing of complex fluids, coalescence, film formation and aerodynamic & electrostatic effects, you will leave with a detailed conceptual understanding to aid your development process.

Thu 26 – Fri 27 January 2017

Inkjet Ink Manufacturing

Manufacturing inks for performance and reliability

This course is designed for those wishing to develop or source inkjet inks, or interested in commissioning their development and manufacture. It will help you understand the issues of ink formulation for systems, creating material specifications, development and testing, ink application requirements, scale-up for manufacture as well as the manufacturing equipment and processes themselves. It also covers the potential business models for an ink formulation or manufacturing company.

Venue

The IMI Europe Inkjet Winter Workshop 2017 will be held at the Tryp Apolo Hotel, Barcelona, Spain. The Tryp Apolo Hotel is in the heart of Barcelona, very close to the port, Las Ramblas and Barcelona Trade Fair Centre. It is located in one of the city's most iconic and lively avenues, near museums, theatres, restaurants, tapas bars, popular nightspots and the symbolic Sala Apolo.

Course format and fees

Courses consist of three sessions over a 1.5 day period, including lunch during the full day of the course, a reception on the evening of your course and one refreshment break per session. The course fee is on a per person, per course basis, with discounts available if you attend more than one course, or if your company sends more than one person to the event. Hotel reservations are the responsibility of individual attendees, but we have a special room rate at the venue with rooms reserved.