

SHORT COURSE:

ADVANCE FUNCTIONAL PRINTING

Tuesday 28th of May

9:00 Registration and presentation of the participants

9:30 Session 1: Advance Screen Printing (Asada Mesh)

- Introduction to Screen Printing
- Printing of fine lines
- Applications

9:30 Session 2: Advance Functional Printing (Swansea University)

- Introduction to Functional Printing: Gravure, Flexo and Offset Technologies
- Process Parameters
- Applications

11:30 Coffee

12:00 Session 3: Rheology and Print Performance (Swansea University)

- Rheology and Print Performance in different Printing Techniques

14:00 Lunch

15:00 Session 4: Inks and Substrates (Swansea University)

- Ink: components and Formulation (various techniques)
- Drying and Sintering
- Substrates

15:00 Session 4: Inks and Substrates (Asada Mesh)

- Ink: components and Formulation (screen printing)
- Drying and Sintering
- Substrates

17:00 Close

Wednesday 29th of May

9:00 Session 5: Print Measurements and Characterization (Swansea University)

- Functional characterization
- Surface measurements and Profile
- In-Line measurements

11:00 Coffee

11:30 Session 6: R2R Pilot Plant (Swansea University)

- Practical session with the R2R pilot plant in NAITEC (flexo, gravure and rotary screen printing available)

14:00 Lunch

15:00 Session 7: Fine lines screen printing (Asada Mesh)

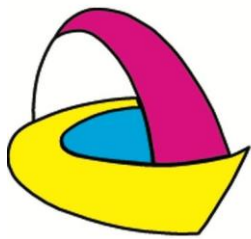
- Practical session with flat screen printing of fine lines.

17:30 Closing review

- Summary and final conclusions
- Informal discussion with coffee

18:00 Close

In collaboration with The Welsh
Centre for Printing and Coating of
Swansea University and the
japanese company ASADA MESH



Welsh Centre for Printing and Coating
WCPC
Canolfan Argraffu a Chaenu Cymru

