

UK BEAMeeting 2024 - Southampton
Technical Workshop & Discussion

Date: Wednesday, Feb. 21st, 2024 Time: 09:00 – 12:10 pm, 13:10 – 16:00 pm
Physic Department, Building 46 Room 5081

Preliminary Agenda

| | | |
|-------------------------------------|--|-------|
| | GenISys / Southampton welcome and round the room introduction of attendees | 9.00 |
| Nezih Ünal GenISys | GenISys Business Update | 9.15 |
| Prof Martin Charlton Southampton | Opening statement on behalf of the University Technical Presentation (25mins+5mins) | 9.30 |
| Dr Tom Cardiff | Customer presentation (10mins) | 10:00 |
| Nezih Unal GenISys | Pushing the Limits of Stepper Lithography with Simulation & OPC | 10:10 |
| | Coffee Break | 10:40 |
| Dr Anushka Gangnaik Southampton | Beamer Manipulations for ebeam lithography processes (15mins+5mins) | 11:00 |
| Monserrat Alvarez GenISys | BEAMER strategies to improve MLA pattern fidelity BEAMER / LAB / ProSEM in action (25mins+5mins) | 11.20 |
| Wenjie Wang Southampton | Fabrication of photonic crystal waveguides (15mins+5mins) | 11:50 |
| | Lunch Break | 12:10 |
| Sven Bauerdick GenISys | Layout-based SEM Automation with ProSEM and InSPEC (25mins+5mins) | 13:10 |
| Chuang Sun Southampton | Single-layer dielectric metasurface for optical manipulation and imaging (15mins+5mins) | 13:40 |
| Daniel Ritter GenISys | BEAMER updates v7.0 to what is coming in v7.1 (25mins+5mins) | 14:00 |
| | Coffee Break | 14:30 |
| Daniel Ritter GenISys | Discussion & feedback BEAMER/ProSEM - Feature Wishes (30mins) | 14.50 |
| TBD | TBD (15mins+5mins) | 15.20 |
| TBD | TBD (15mins+5mins) | 15.40 |
| | Closing remarks and possible facility walk around | 16.00 |