



ICReDD International Seminar Series

Prof. Dr. Matthew J. Fuchter (Imperial College London)

Maximising dissymmetry and handling directionality in chiral materials

Place: Seminar Room 1

Frontier Research in Applied Sciences Building

Time: Friday, 9 September 2022

16:30-18:00



Abstract: We have an ongoing interest in the development of conjugated chiral molecules which can emit and detect circularly-polarized light within thin film materials and in organic electronic devices. Using a range of chiral materials – helicenes, fullerenes and polymers – this talk will give an overview of our strategies to maximise the selectivity of such chiral-optical responses through molecular design, materials processing and device architecture.