

Seminar

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Self-assembly and pattern formation in Soft Condensed Matter Physics

-12.15pm-

-Monday 3rd October-

- Rankin Brown 105, Victoria University of Wellington-

- Turitea R1.07, Massey University-

- Conference Room 2, Otago University -

- Coppertop, University of Canterbury -

-Video Conference Room, C-Block, IRL, Gracefield Site, Lower Hutt -

Soft condensed matter systems comprise a range of materials from polymers to liquid crystals and gels as well as combinations of these. I shall discuss the general properties of such systems, with a particular view to how these systems self-organise or self-assemble on the meso-scale, resulting in pattern formation. These patterns can be used in a variety of applications such as microelectronics or smart or switchable surfaces. I shall also focus on a couple of concrete examples of such systems and demonstrate how one can control the length-scale of the pattern as well as demonstrating the range of patterns that may form.



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