



## Symmetry in Condensed Matter Physics Group and representation Theory Lectures 1 - 8

**Paolo G. Radaelli**, Clarendon Laboratory, Oxford University

Thursday, November 2<sup>nd</sup> 2017, 2:00 pm, SR IV

**Lecture 1: Introduction to symmetry in CMP**

Thursday, November 2<sup>nd</sup> 2017, 3:30 pm, SR IV

**Lecture 2: Crystallographic point groups and group theory**

Monday, November 13<sup>th</sup> 2017, 2:00 pm, SR IV

**Lecture 3: Introduction to the theory of representations**

Thursday, November 16<sup>th</sup> 2017, 2:00 pm, SR II, III

**Lecture 4: Key theorems about irreducible representations**

Monday, November 20<sup>th</sup> 2017, 11:00 am, SR II, III

**Lecture 5: Applications of representations to physics problems**

Wednesday, November 22<sup>nd</sup> 2017, 10:00 am, SR II, III

**Lecture 6: Projectors, subduction and group product**

Tuesday, December 5<sup>th</sup> 2017, 11:00 am, SR IV

**Lecture 7: Tensors and tensor products of representations**

Thursday, December 7<sup>th</sup> 2017, 11:30 am, SR IV

**Lecture 8: “Physical” tensors**

Host: Andrea Cavalleri

