

Characterization techniques in surface chemistry

a 15-hour lecture course by **Dr. Ambrose Ashwin Melvin**

Date of the first lecture: November 2, 2021

Registration deadline: November 15; please send an e-mail to aambrose@ichf.edu.pl

Syllabus

Section 1 (1 hour) - Introduction

Section 2 (4 hours) – Light and its spectroscopy for surface characterization.

Section 3 (4 hours) – Surface structural characterization using electron microscopy.

Section 4 (4 hours) – Characterization of surface composition using photoelectron spectroscopy.

Section 5 (2 hours) – Surface structural characterization using scanning probe microscopy.