

Kemijski odsjek  
Prirodoslovno-matematički fakultet  
Sveučilište u Zagrebu

## KOLOKVIJ

# Dr. Clive Lloyd Oliver

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održat će u **ponedjeljak, 31. kolovoza 2015.** u **13:00 sati** u **predavaonici P1**,  
prizemlje zgrade Kemija, Horvatovac 102a, kolokvij pod naslovom

## **Crystal engineering and porosity studies of coordination polymers and organic materials**

Coordination polymers, infinite systems built up of metal ions and organic ligands, have been extensively studied in materials and supramolecular chemistry due their structural diversity and application as porous materials in catalysis, ion exchange, gas storage and purification. We have investigated the construction of coordination polymers using cadmium and zinc as the metal centres and simple ligands such as dipicolinic acid, trimesic acid, 1,2-bis(4-pyridyl)ethane and 4,4-dipyridyl-N,N'-dioxide with a view of producing porous materials which may be used for the sorption of gases, vapours and liquids. In addition organic materials such as cyclotrimeratrylene and cyclodextrins are under investigation for their porosity properties.