



ΟΜΙΛΗΤΗΣ: **Dr. Paul A Cox, Principal Lecturer**

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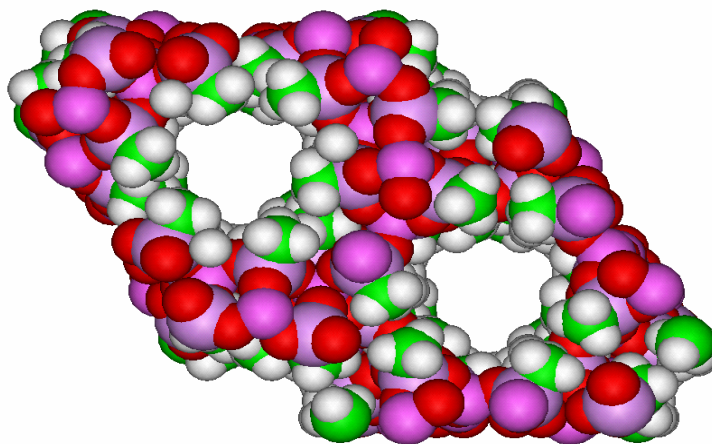
ΘΕΜΑ: **Materials made to order**

ΤΟΠΟΣ: Αίθουσα Σεμιναρίων ΙΤΕ/ΕΙΧΗΜΥΘ

ΗΜΕΡΟΜΗΝΙΑ: **Δευτέρα, 15 Σεπτεμβρίου 2008**

ΩΡΑ: **12:00**

ΠΕΡΙΛΗΨΗ: Molecular Modelling is having a dramatic impact on our understanding of complex materials. This will be illustrated by some of the work that has been carried out at Portsmouth, where modelling has been used to yield a unique insight into a diverse range of important chemical and biological problems. Examples will include the use of modelling to investigate the structure, synthesis and potential applications of zeolites, polymers and hybrid inorganic-organic materials.



Molecular modelling is now being used to help determine the structure and properties of compounds like the AlMePO structure shown above. By careful design, these materials can be optimised for their potential applications.