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VGW Launch Workshop

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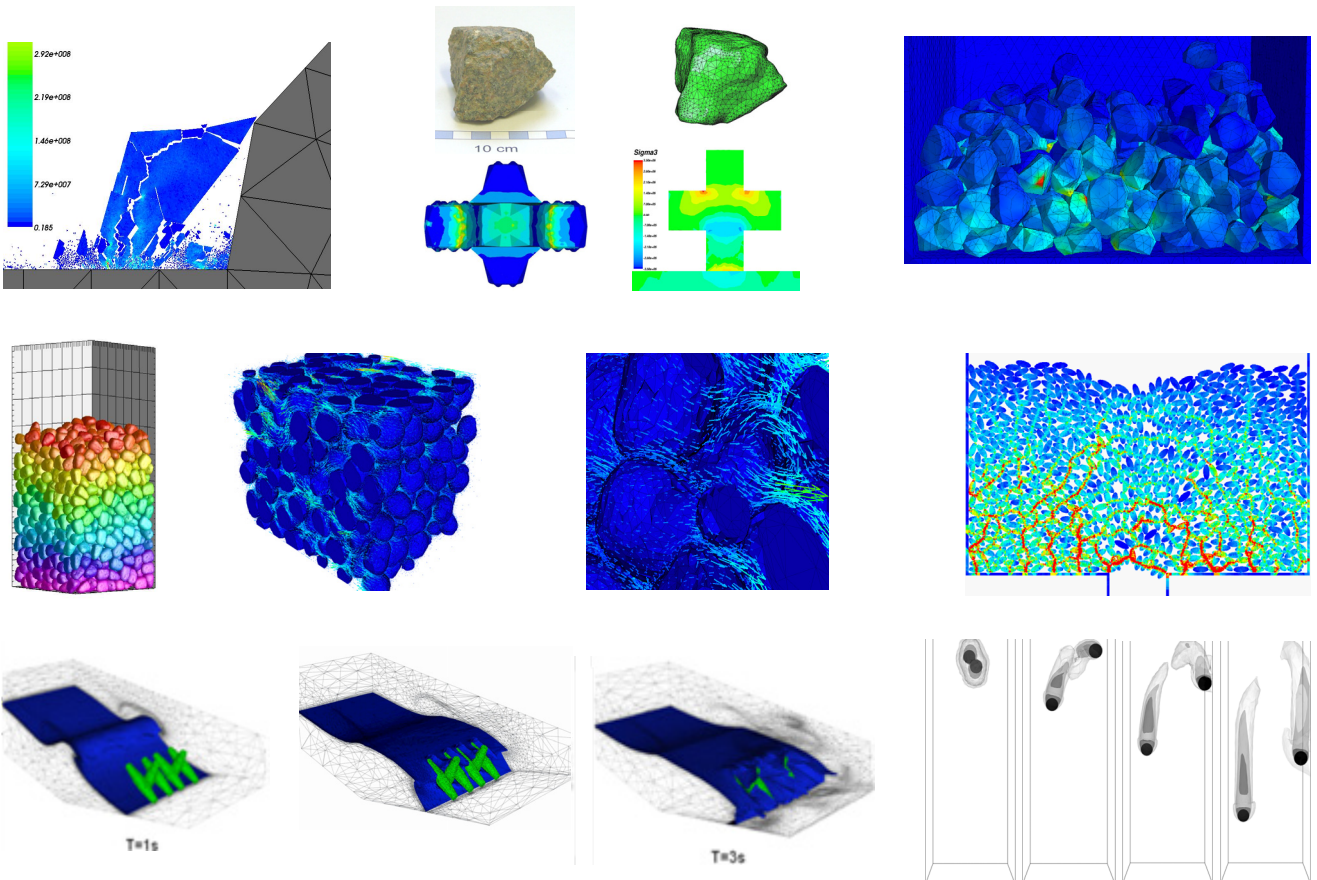
VIRTUAL GEOSCIENCE WORKBENCH

Department of Earth Science and Engineering, IC

March 30th 2009 9.00 – 5.30

VGW is a suite of Open Source Tools for modelling discontinuous, particulate, granular, blocky, fracturing and fragmenting systems based on FEMDEM (the combined Finite–Discrete element method). The workshop will feature a morning of presentations showing methods and applications. Examples of coupling VGW e.g. with the generic CFD code **FLUIDITY** will be shown. The afternoon includes **computer hands-on and Q&A sessions**. VGW will be of interest to Academics and Industrial Colleagues concerned with particulates, geomechanics and multiphase.

VGW is a collaborative 5-year project funded by EPSRC and is under development on two sites, Imperial College London (PI: Dr J-P. Latham) and Queen Mary University of London (PI: Prof A Munjiza). We have made the FEMDEM, pioneered by Munjiza in the 1990s, the core of our solids technology as it is especially well suited to irregular geometry with deforming and fracturing behaviour and the transition from continuum to discontinuum.



INFORMATION: <http://amcg.es.ee.ic.ac.uk/vgw>
<http://webpace.qmul.ac.uk/amunjiza/>
TO REGISTER: email: j.p.latham@imperial.ac.uk

WORKSHOP FEATURING: FEMDEM
& DEM, Shape Library, Fluids Coupling,
OS: Windows or LINUX/Mac