

NEW LOOK WEBSITE

Announcing the new hidenisochema.com website!

We are delighted to announce the launch of our brand new website!

The new site has a refreshed modern look and a responsive design, meaning it can be viewed on any computer or device thus enabling you to access our content on the go.

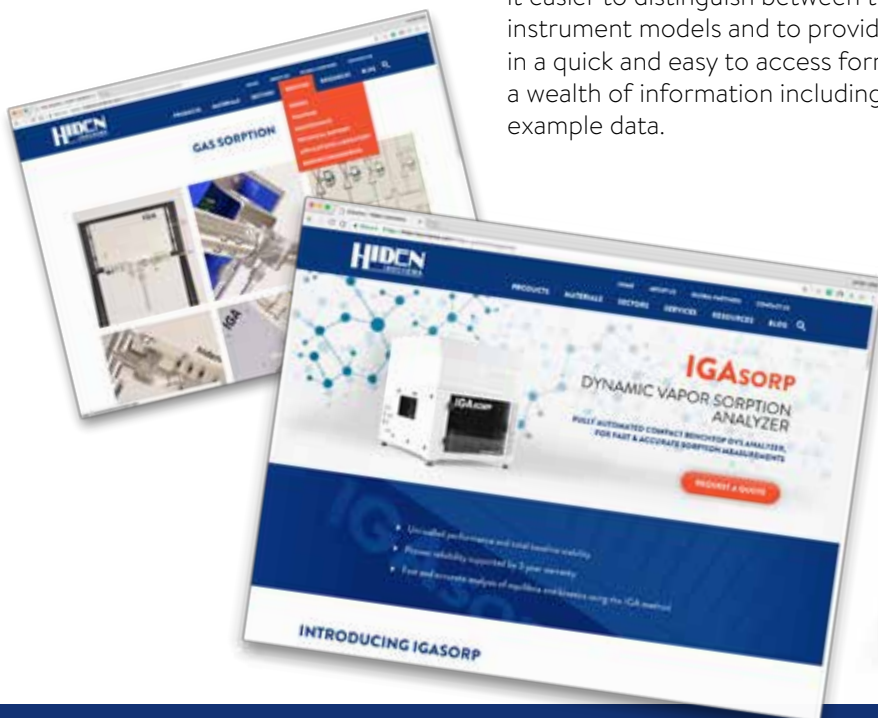
One of the goals of our new site was to improve the navigation and enable our customers to more easily find the product information they required from our ever expanding product portfolio. The relevant products can now be accessed by measurement technique, or by simply selecting the sector you work in or the material you are working with.

The product pages themselves have been completely redesigned to make it easier to distinguish between the instrument models and to provide in a quick and easy to access format a wealth of information including example data.

For existing customers the site continues to provide a host of useful resources, and we will be further expanding the site to include a Help Center, so watch this space!

Our blog is a great source of information and is regularly updated with company and industry news, conference information and key articles and publications.

We hope you like the changes, please have a browse and see what you think. Any questions, suggestions, feedback or comments then please email us: info@hidenisochema.com



ADSORPTION SUMMER SCHOOL

The Department of Chemical & Process Engineering at the University of Strathclyde, in Glasgow, Scotland, will be hosting an Adsorption Summer School on 19th-21st June 2017.

This 3 day course will provide training on adsorption fundamentals, from molecular mechanisms up to industrial processes. It is aimed at industry professionals, PhD students, or anyone who wishes to improve their knowledge of adsorption-based separation and storage processes.

Delegates will learn to measure adsorption isotherms using state-of-the-art laboratory equipment; interpret adsorption isotherm data using pure component adsorption models; calculate surface areas, pore volumes, and heats of adsorption from datasets; predict multicomponent adsorption using the Ideal Adsorbed Solution Theory (IAST); describe adsorption separation processes in terms of underlying equations, and predict macroscopic adsorption behaviour using molecular simulations.

Registration is open until 12th June 2017.

For more information contact: chemeng-events@strath.ac.uk

PUBLICATION ROUND-UP

MOFs

Solvent-switchable continuous-breathing behaviour in a diamondoid metal-organic framework and its influence on CO₂ versus CH₄ selectivity

E. J. Carrington, C. A. McAnally, A. J. Fletcher, S. P. Thompson, M. Warren and L. Brammer

Nature Chemistry (2017) DOI:10.1038/nchem.2747

An Intelligent Gravimetric Analyzer (IGA) is used to measure CO₂ and CH₄ sorption by a flexible MOF, SHF-61, that exhibits continuous breathing behaviour due to host-guest interactions.

Adsorption and desorption isotherms measured up to 20 bar at ambient temperature complement data obtained from in-situ synchrotron X-ray powder diffraction experiments, which enabled real-time observation of the adsorption-induced structural changes.

Polymers

Water vapor sorption properties of polyethylene terephthalate over a wide range of humidity and temperature

F. Dubelley, E. Planes, C. Bas, E. Pons, B. Yrieix and L. Flandin
Journal of Physical Chemistry B (2017) 121(8), 1953-1962

Researchers from EDF R&D and the Laboratoire d'Electrochimie et de Physicochimie des Matériaux et des Interfaces, in Chambéry and Grenoble, France, use an IGA_{sorp}-CT to investigate the sorption and diffusion properties of water in an amorphous PET in the temperature range 23°C to 70°C, at relative humidities of 0 to 90%. Three different sorption modes are identified, depending on the measurement temperature and RH. The study demonstrates the measurement of long-term kinetics, with equilibration times of 48 hours used for each step.

REACH OUT TO US:

DATE	CONFERENCE	LOCATION
14-17 May	11th International Symposium on the Characterisation of Porous Solids (COPS-XI)	Avignon, France
5-7 June	RSC Faraday Discussions - New directions in porous crystalline materials	Edinburgh, UK
3-7 July	7th Federation of European Zeolite Associations Conference (FEZA)	Sofia, Bulgaria
10-13 July	13th International Conference on Materials Chemistry (MC13)	Liverpool, UK
29 July-5 Aug	11th International Congress on Membranes and Membrane Processes (ICOM 2017)	San Francisco, USA
5-7 Sept	APS PharmSci	Hatfield, UK
18-21 Sept	E-MRS Fall meeting	Warsaw, Poland
29 Oct-1 Nov	EuroMOF 2017	Delft, The Netherlands
29 Oct-3 Nov	AICHE 2017	Minneapolis, USA

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