

features

of designing for the future

reatures			
Nuclear 1 Malcolm Grimston investigates the curious c	ase of r	nuclear energy and public acceptance	27
Nuclear 2 Nuclear operators have to dig deeper to fill			30
Nuclear 3 Adam Duckett investigates whether there is	enough	uranium to power our nuclear reactors	32
Nuclear 4 Linda Ashton considers the problem of dispo	sing of	contaminated oil	34
Cleaner power 1 Clean energy systems: enabling zero emissio	ns pow	er generation from fossil fuels	36
Cleaner power 2 Adam Duckett rounds-up the major themes of IChemE's Gasification 2007 conference			38
Energy efficiency Steve Haywood explains plans for a waste-to-syngas facility in London, UK			41
Sustainable energy 1 Sean Milmo peers into the biofuel future		9	44
solar thermocycles		nhagen explain how to produce hydrogen using	
IChemE Awards 2007 supp	olem	ent	49
regulars	11	inadoduațe	y ino
Catalyst Claudia Flavell-While fights back against carbon cynicism	4	Guest author Roland Clift and Yacob Mulugetta examine the current stampede for biofuels	24
Analysis UK biohazard rules; EU push for energy reform; Degussa rechristened Evonik	5	Day in the life David Solomon looks back at free radical polymerisation and explains why he made A\$7 and A\$3 bank notes	69
Australia Gorgon gas goes CCS; PetroChina snaps up Australian LNG; Greenhouse partnership	10	Member networks IChemE's partners with Elsevier; Perry take:	70
Americas North America pushes chemicals evaluation; Uraguay paper protests continue	11	over as technical vp; Jochum succeeds at E People/Reactions Mashelkar takes non-executive role at	71
Asia Indian alarm over arsenic; Mattel's total reco Tropical sugar beet flourishes in India	12 all;	India's largest car maker In the journals Matt Stalker explains how terrorism has mo	73 oved
UK Public clueless of engineering; Student stats reveal home truths; plutonium stabilised	14	Campus University meets industry as Rob Crossley talks to both sides of Imperial's Green Energy Partnership	74
Contracts Bayer plans nanotubes expansion; Lanxess Indian ion exchange; Singapore contract	16		
Innovations Tiny coats to protect and destroy; Non-stick chewing gum; Mine wine; Art clean-up	17	University update Mining study takes industry's heartbeat; Glasgow starts MSc in carbon management	75
Process news Alternative to chip etching; Artificial micromuscles; Extended shelf-life ham	18	Diary of events Book review	76 79
		Appointments	80
Interview Andrew Hopkins explains why standard safety indicators cannot prevent incidents	20	Residue	92
Legalwatch Jon Close examines the legal implications	22	in the November issue process modelling, advanced materials,	

pumps, graduate supplement

special issue Cover: the future of energy guest author Craze: cellulosic perfection would be better than biofuel stampede - p24 Resistance: public perceptions of nuclear power - p27 (Photo courtesy of Greenpeace)

Comeback: renewed interest in microbial

fuel cell research – p44