

Systems Biology with an Industrial Focus

Thursday 26 June 2008

Imperial College London, Department of Chemical Engineering,
Centre for Process Systems Engineering (CPSE), London, UK

Systems biology broadly involves the integrated mathematical treatment of biological phenomena. Such integrated systems biology and modelling ventures are increasingly being undertaken, by academics and practitioners alike, towards effective drug discovery and efficient treatment of diseases. This one-day seminar is intended both to stimulate research in this field and facilitate technology transfer and collaborations.

Programme

9:00	Registration & Refreshments
9:30	Welcome & Introduction <i>Dr Charles D. Immanuel (Imperial College London, UK)</i>
Morning Session – Chair, Dr Charles D. Immanuel (Imperial College London, UK)	
9:35	Systems Biology Initiatives in UK <i>Professor David Bogle (University College London, UK)</i>
10:00	Systems Biology and New Opportunities for Medicine <i>Professor Francis J. Doyle, III (University of California, Santa Barbara, USA)</i>
10:45	Engineering Self-Sustaining Systems: Differential Network-Based Drug Design <i>Professor Hans V. Westerhoff (Manchester Centre for Integrative Systems Biology, UK and Netherlands Institute for Systems Biology, Netherlands)</i>
11:30	A Systems Approach to Disease From the Perspective of Computer-Aided Process Analysis <i>Professor Peter Wellstead (Hamilton Institute, NUI, Ireland)</i>
12:15	Lunch
Afternoon Session – Chair, Professor Iqbal M. Mujtaba (University of Bradford, UK)	
13:45	A Systems Engineering Approach to the Production of Biologics <i>Dr Sakis Mantalaris and Dr Cleo Kontoravdi (Imperial College London, UK)</i>
14:30	Hybrid Modelling Strategies for Biological Systems <i>Dr Vivek Dua (University College London, UK)</i>
15:15	Pharmaceutical and Biomedical Systems Engineering - An Integrated Approach for Drug Dosage Design <i>Dr Zoltan Nagy (Loughborough University, UK)</i>
16:00	The Role of Pharmacokinetic/Pharmacodynamic Modelling in Drug Discovery <i>Dr Pinky Dua (GlaxoSmithKline, UK)</i>
16:45	Questions & Discussion

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Registration Form

Please return this form with your remittance to:

Technical Networks Department

IChemE, Davis Building, 165-189 Railway Terrace, Rugby CV21 3HQ, UK

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Fax: +44 (0)1788 560833

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Gender M / F Country House No / Company Name Postcode

Job Title Dept.

Address

Town County

IChemE (or Subject Group) Membership Number Telephone:

Please note: Joining Instructions will be sent by e-mail

Fax: Email:

Special Dietary Requirements

Please note: We can only arrange alternative catering if this field is completed prior to the event

Please tick relevant box for payment: VAT is included (VAT no. GB 661 5413 48).

A VAT invoice will be issued upon receipt of payment.

- £80.00 (£68.08 +VAT) Member of Computer Aided Process Engineering (CAPE) Subject Group
- £92.50 (£68.08 +VAT & £12.50 subs exempt from VAT) Non Member - includes subscription to CAPE Subject Group
- £50.00 (£42.55 + VAT) Student Rate – includes complimentary CAPE Subject Group membership for 2008

Please make your cheque payable to the "Institution of Chemical Engineers".

Payment in full must be received in advance of the event.

If you wish to pay by credit or debit card please quote your card number in the box below together with the name and initials on the card and its commencement and expiry date (please note that the Institution accepts only MasterCard, Debit MasterCard, Visa, UK issued Maestro or Solo, Visa Delta, Visa Debit.

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Cancellation Policy

Cancellations made less than 48 hours before the event date will not receive a refund. Substitutions welcome.

We reserve the right to cancel or alter the programme.

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