

## Registration Form

### Improved sustainability via process integration

12–13 June 2007

Melbourne

Name: \_\_\_\_\_

Position: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Postcode: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Appita Member Yes/No Membership No

METHOD OF PAYMENT (please tick)

Cheque  Credit Card  Direct Debit

CREDIT CARD DETAILS:

Visa  MasterCard  Bank Card  AMEX

CARD NUMBER: \_\_\_\_\_

EXPIRY DATE: \_\_ / \_\_

NAME ON CARD: \_\_\_\_\_

AMOUNT: Member AUD 825.00 Non-member AUD 990.00  
(includes GST)

PARKING REQUIRED? Yes / No

DIETARY OR OTHER SPECIAL REQUIREMENTS? \_\_\_\_\_

PLEASE RETURN by **Wednesday 6 June 2007** TO:

Appita  
Suite 47 Carlton Clocktower  
255 Drummond Street  
CARLTON VIC 3053  
Tel: (03) 9347 2377  
Fax: (03) 9348 1206

A Confirmation Advice/Tax Invoice will be sent on receipt of the Registration form.

## Information

### Venue

The Australian Pulp & Paper Institute (APPI) is located at Monash University in Clayton—about a 30 minute ride from the City centre. A map of the University can be found on Map 475 of the Melway street directory. APPI is located in Building 59

### Parking

Parking within Monash University is strictly controlled. Parking permits will be available for collection at the Reception Desk in the APPI building for those registrants who complete the appropriate section in the Registration Form. If you park without a permit you will almost certainly receive a substantial fine for which neither APPI nor Appita will accept responsibility. Permits are not required during the semester breaks as long as you park in the BLUE zones. You will be advised on current parking regulations with your registration confirmation.

### Accommodation

Accommodation costs are not included in the course fee and registrants are expected to make their own arrangements.

Appita is unable recommend any specific accommodation, however for your information the closest motels to Monash University are:

Clayton Monash Motor Inn 1790 Dandenong Road, Clayton Tel: 9544 0911	Gateway on Monash 630 Blackburn Road, Notting Hill Tel: 9651 4455
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### Cancellation policy

Appita's Cancellation policy is as follows:  
Full refund if cancelled more than seven days prior to the course. Cancellations between one and seven days incur a AUD 100.00 service charge. **No refund will be given for non-attendance after the course has commenced.**

### Disclaimer

The course outlined in this brochure is planned to be held at the time of publication of the brochure. Appita reserves the right to cancel the course or alter the contents of the course. Every attempt will be made to inform interested parties of any changes.

### Additional Courses

*Appita is the industry Association – your Association. Our goal is to provide career development opportunities for operators, production and maintenance people throughout the industry. Help us to help you. If you have the need for a particular course, let us know! If we can put a suitable course together and break-even financially at least, we will consider it. We will even run a course at your site. Tell us what you need.*



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**Improved sustainability**  
via  
**process integration**  
for the  
**pulp and paper industry:**  
**Water, energy and fibre**  
**optimization**

**Paul Stuart**  
École Polytechnique, Montréal, Canada  
2007 APPI Visiting Professor  
12–13 June 2007

APPI, Monash University, Clayton



*Appita, the Technical Association serving the Australia and New Zealand pulp and paper industry since 1947*

**www.appita.com.au**

**SHORT COURSES 2007**

# Improved sustainability via process integration for the pulp and paper industry: Water, energy and fibre optimization



## Tuesday 12 June

- 8.30 am Registration
- 8.50 am Welcome and introduction  
*Prof Gil Garnier, Director, APPI*
- 9.00 am Concepts of sustainability  
*Prof Paul Stuart, École Polytechnique*
- 10.00 am Best Available Technology (BAT) standards in the pulp and paper industry  
*Prof Paul Stuart, École Polytechnique*
- 11.00 am Morning tea
- 11.30 am Criteria for Water Reduction  
*Dr Loi Nguyen, APPI*
- 12.30 pm Lunch
- 1.30 pm Benchmarking  
*Prof Paul Stuart, École Polytechnique*
- 2.30 pm Water management for kraft pulping  
*Dr Loi Nguyen, APPI*
- 3.30 pm Afternoon tea
- 4.00 pm Implementing zero effluent operation at recycled fibreboard mills  
*Prof Paul Stuart, École Polytechnique*
- 5.00 pm Close of Day 1

## Wednesday 13 June

- 9.00 am Process systems engineering using process integration tools  
*Prof Paul Stuart, École Polytechnique*
- 10.00 am Pinch technology for water reduction  
*Dr Andrew Hoadley, Monash University*
- 11.00 am Morning tea
- 11.30 am Thermal pinch analysis  
*Prof Paul Stuart, École Polytechnique*
- 12.30 pm Lunch
- 1.30 pm Principles of and experience with water reduction in an integrated bleached pulp and paper mill  
*Alan Eagle, Australian Paper*
- 2.30 pm Life cycle assessment in the pulp and paper Industry  
*Prof Paul Stuart, École Polytechnique*
- 3.30 pm Afternoon tea
- 4.00 pm Forest biorefinery: fact or reality  
*Prof Paul Stuart, École Polytechnique*
- 5.00 pm Close of Day 2

### Who should attend?

This course is an advanced seminar for process engineers, environment managers and experienced persons who wish to understand more about the complex issues involved in integrating water, energy and fibre in pulp and paper manufacturing processes.

### The Course

By attending this course you will receive a broader as well as deeper level of understanding of the technological issues involving process integration. You will gain an improved knowledge of the issues surrounding integration, and the challenges involved in optimizing water, energy and fibre for sustainable manufacture. The course will include discussion on the emergence of the 'forest biorefinery', addressing the subject of whether it is a threat or an opportunity for the pulp and paper industry.

### The Presenters

Most of the presentations will be given by **Professor Paul Stuart**. He will be assisted by **Dr Loi Nguyen** of the Australian Pulp and Paper Institute (APPI), who is a recognised expert in water management for kraft pulping, and by **Dr Andrew Hoadley** of the Department of Chemical Engineering at Monash University, who is a specialist in the relatively new science of pinch analysis. **Alan Eagle**, Environment Manager at Australian Paper Maryvale, will provide an insight into how an operating mill has instituted process integration into its existing operations and its new fibre line which is under construction.

### Course Fees (Inc. GST)

Appita Members: AUD 825.00 Non-Members AUD 990.00  
Appita Membership benefits apply from the time we receive your Application Form. Persons submitting a Membership Application Form with the course registration form will receive the member discount.

### Included in the fee

All catering, folder of course notes, and stationery.



### 2007 Appita Visiting Professor—Paul Stuart

Paul is a Professor in the Chemical Engineering Department at École Polytechnique of the University of Montréal, where he is Chairholder of an NSERC Environmental Design Engineering Chair entitled *Process Integration in the Pulp & Paper Industry*. Prior to joining academia, Paul worked in process design consulting for many years. Currently, Paul is Past President of the Canadian Society of Chemical Engineering (CSChE), Vice-Chair of the Canadian Design Engineering Network (CDEN), serves on Canada's National Advisory Board on Energy S&T (NABEST), and is Principal Consultant for his one-man consulting company - Processys Inc.

Class size—Maximum 35, minimum 10. Appita reserves the right to cancel the course if the minimum registration is not reached

