

Principal, Professor J.S. Archer  
invites you to the

## **SCHOOL OF THE BUILT ENVIRONMENT PUBLIC LECTURE**

### ***'Before the Flood'***

(Developments in the computer simulation of river floods)

*by*

*Professor Gareth Pender;*

*BSc, PhD, FICE, FCIWEM, FIES*

Edinburgh Business School Auditorium, Heriot-Watt University, Edinburgh Campus  
4.30pm, Thursday 15 May 2003

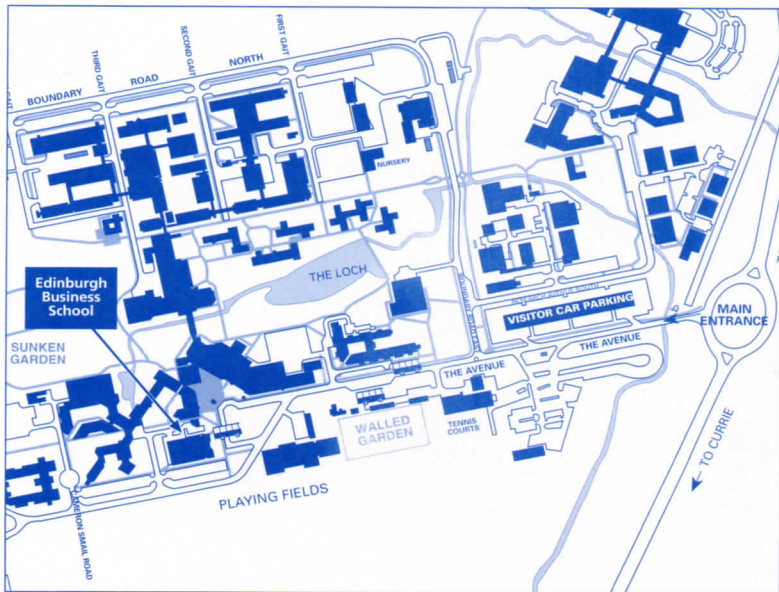
Light refreshments from 3.45pm

Post lecture reception at 5.30pm

**RSVP** – School of the Built Environment, by **Monday 5 May 2003**

**email: [enquiries@sbe.hw.ac.uk](mailto:enquiries@sbe.hw.ac.uk)**

**Tel: 0131 451 8232**



## EDINBURGH CAMPUS

Please park in the Visitors' car Park and make your way along The Avenue to the Edinburgh Business School.

Vote of Thanks

G Pender

Prof Environmental Engineering  
Heriot Watt U.

15 May 2003

Ladies & Gentlemen

When I accepted the invitation from Prof Swaffield to attend this Public Lecture by my old friend and colleague Garry Pender and indeed to join them for Dinner afterwards it all seemed innocent enough and an ideal opportunity to support and applaud the new Professor of Environmental Engineering.

I should have remembered that there is no such thing as a free dinner! A few days ago I was asked if I would propose this vote of thanks. Now, you may be sitting there looking forward to your free dinner but Principal Archer and Prof Swaffield may have some other ideas in mind!

I am, of course, delighted and honoured to propose this vote of thanks.

Garry Pender and I first met 10 years or so ago on the Committee of the Glasgow & West of Scotland Association of The Institution of Civil Engineers. He went on to become an excellent and charismatic Chairman of The Graduates and Students of the Association and later followed me as Chairman of the Association, a singular honour, being as it is, the first of the ICE Associations outside London and founded in 1884.

There were times when Garry's youthful appearance and enthusiasm, his ready smile and that skinhead haircut of his made it difficult to distinguish him from the Graduates and students themselves.

ICE/15.2

As Chairman of the Association, he dealt skilfully with a demanding, and at times unruly, Committee of more than 30 people, most of whom were older and more battle hardened than he was.

I'm sure that the skills he acquired during that period are being put to good use here at Heriot Watt.

Quite apart from his interpersonal and committee skills, it was clear that Garry was a man of intellect and an enthusiastic academic at Glasgow University, as skilled in research as he was in teaching.

I understand that Garry should have made an Inaugural Lecture on appointment but as soon as he arrived at Heriot Watt there was a major restructuring and a degree of ensuring chaos which saw the Department of Civil & Offshore Engineering become part of this new School of the Built Environment. As time passed, an Inaugural Lecture became less appropriate and this, the second in a series of Public Lectures, became the opportunity for Garry to show his mettle. *They are also a pretty good way for the U to win friends & influence people.*

When I think of Public Lectures in Academia, *which I don't do very often* my mind usually turns to that marvellously drunken lecture by Lucky Jim in Kingsley Amis's novel. It will be a great relief to Principal Archer and Prof Swaffield that Prof Pender has managed to stay off the strong drink this evening ----- so f.

I have to admit to some regrets about the demise of the Department of Civil Engineering but I'm sure that this multi-discipline approach to the education of those involved in the Built Environment is a good way forward reflecting as it does the wide range of skills that major consultancies and other organisations such as mine now employ in their daily work. Engineers now work cheek by jowl with planners, ecologists, architects and others within the same organisations.

Ladies & Gentlemen we have had an enjoyable <sup>and interesting</sup> lecture from Prof Pender on developments in the computer modelling of floods which demonstrates that he has linked research with the needs of practitioners but more importantly with the needs of those who's properties are in increasing danger of flooding. There is little point in making predictions after the event.

Garry has shown us that it is possible to devise robust computer models that should provide reliable predictions in advance of major floods. This will enable appropriate measures to be put in place to protect life and property. I hope he will also remember to tell people about the

Ladies & Gentlemen, please join me on acknowledging an excellent lecture from Prof Garry Pender and wishing him every success as the new Professor of Environmental Engineering.

\* Added a bit about flooding on Keshin near Kivikintillach with ref to his slides.

Folly of building on flood plains and watermeadows

J P McCafferty

## Jim McCafferty

Jim McCafferty is Chairman of Scott Wilson Scotland, whose territories and colonies extend to the North of England, N Ireland and Ireland, and is a Main Board Director of Scott Wilson International.

He is a graduate of Strathclyde U and has been with Scott Wilson since graduation, initially in Glasgow and later in Nigeria, Hong Kong and Sabah (Borneo), before returning to Glasgow in the early 1980's. He has been responsible for a wide range of major projects throughout the world, mainly in transportation and buildings.

His mission now is to run a happy ship while making a reasonable profit but his main professional interest remains in Bridges.

He is a past Chairman of the Institution of Civil Engineers, Glasgow & West of Scotland and is currently a Member of Council in London.

He also represents civil engineering interests in The Scottish Council Development and Industry, The Scottish Construction Industry Group and The Construction Industry Council (Scotland).

**James McCafferty**

**From:** Garry Pender [G.Pender@sbe.hw.ac.uk]  
**Sent:** 30 April 2003 12:54  
**To:** James McCafferty  
**Subject:** RE: Public Lecture - Vote of Thanks

**Jim**

**(a) Give me a sentence or paragraph about the content of the lecture.**

Good question. I still need to write it! I will be talking about developments in computer modelling of flood inundation. I hope to emphasise the importance of linking research outputs with the needs of practioners (consultanting engineers, EA, SEPA, Scottish Councils etc) and most importantly the needs of those whose homes are in danger of flooding. The title "Before the flood" is intended to emphasise that there's no point in doing predictions after the event and what is required are robust computer models that give reliable predictions in advance of flooding. I will expand on this theme during my talk.

**(b) Tell me why there is a public lecture - do all Profs at HW or elsewhere give one?**

Most Profs give an inaugural lecture soon after they are appointed. However, almost as soon as I arrived at Heriot-Watt the university decided to restructure, things were a bit chaotic and my inaugural didn't happen. Too much time has now passed for this to be classed as an inaugural, so its just a public lecture. It's the second in a series of public lectures that the School is organising as part of a profile raising exercise. I'm please with the response to the invitations, 60+ will be attending the dinner.

**(c) Remind me of your official designation ie Prof ----- of what?**

Professor of Environmental Engineering.

**(d) Are you all now in a new department at faculty?**

The former Department of Civil and Offshore Engineering is now part of the School of the Built Environment. This contains civil engineers, building services engineers, quantity surveyors, facilities managers, planners, property economists and the rest. If you could say something positive about the benefits of a multidisciplinary approach to education and research in the built environment it would keep the Principal and my Head of School happy.

The Principal's name is Professor John Archer CBE and my Head of School is Professor John Swaffield. I intend to arrange for you to be sitting at the same table as them for dinner.

**Garry**

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**James McCafferty**

**From:** James McCafferty  
**Sent:** 30 April 2003 09:54  
**To:** 'Prof Garry Pender'  
**Subject:** RE: Public Lecture - Vote of Thanks

Garry

- Thanks. I'd be pleased to do the honours.
- It would be helpful if you could:-

- (a) Give me a sentence or paragraph about the content of the lecture.
- (b) Tell me why there is a public lecture - do all Profs at HW or elsewhere give one?
- (c) Remind me of your official designation ie Prof ----- of what?
- (d) Are you all now in a new department at faculty?

Regards  
Jim

-----Original Message-----

**From:** Prof Garry Pender [<mailto:g.pender@sbe.hw.ac.uk>]  
**Sent:** 29 April 2003 16:17  
**To:** James McCafferty  
**Cc:** Garry Pender  
**Subject:** RE: Public Lecture - Vote of Thanks

Jim

The vote of thanks is after the lecture, you might not enjoy the lecture but you will be able to enjoy your meal!

Thanks

Garry

-----Original Message-----

**From:** James McCafferty [<mailto:James.McCafferty@scottwilson.com>]  
**Sent:** 29 April 2003 10:14  
**To:** Garry Pender (E-mail)  
**Subject:** Public Lecture - Vote of Thanks

Garry

I should have remembered that there's no such thing as a free dinner!

Is the vote of thanks after the lecture or after the dinner?

Regards  
Jim

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**James McCafferty**

**From:** Prof Garry Pender [g.pender@sbe.hw.ac.uk]  
**Sent:** 25 April 2003 17:02  
**To:** James McCafferty  
**Subject:** Public Lecture - Vote of Thanks

**Jim**

I was very pleased that you were able to accept the invitation to my public lecture on the 15<sup>th</sup> of May. I was wondering if you would be willing to offer a vote of thanks after the event?

**Regards****Garry**

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to Garry Pender.

Public Lecture - Vote of Thanks.

Garry,

I should have remembered that there's no such thing as a free dinner!

Is the Vote of Thanks after the lecture or after the dinner?

Regards  
Jim

GP/MH

31 March 2003

Mr James McCafferty  
Scott Wilson Scotland  
6 Circus Park  
GLASGOW  
G3 6AX

Dear James

**Before the Flood**

Professor John Swaffield, Head of School, School of the Built Environment would like to invite you to dinner in the Edinburgh Business School following the public lecture *Before the Flood* being delivered by Professor Gareth Pender on the 15<sup>th</sup> May 2003.

I hope you can join us for what promises to be an interesting and entertaining evening.

Yours sincerely

*Jill Mansfield*

Jill Mansfield  
School Liaison Officer

RSVP: Jill Mansfield  
Tel: 0131-451 8232  
E-mail: m.j.mansfield@hw.ac.uk

<b>SW GLASGOW RECEIVED</b>	
<b>- 2 APR 2003</b>	
JOB No	
ACTION	
COPY	CIRC

*Stella*

*e mail to Jill Mansfield.*

*Before the Flood.*

*Jill. Thanks for the invitation to the Public Lecture by Prof Gareth Pender followed by Dinner.*

**School of the Built Environment**  
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www.sbe.hw.ac.uk

*I am delighted to accept.*

*Regards Jim McCafferty*