RINGS AND MODULES
IN HONOUR OF PATRICK F. SMITH'S 65TH BIRTHDAY
Website: http://pfs2008.cii.fc.ul.pt/
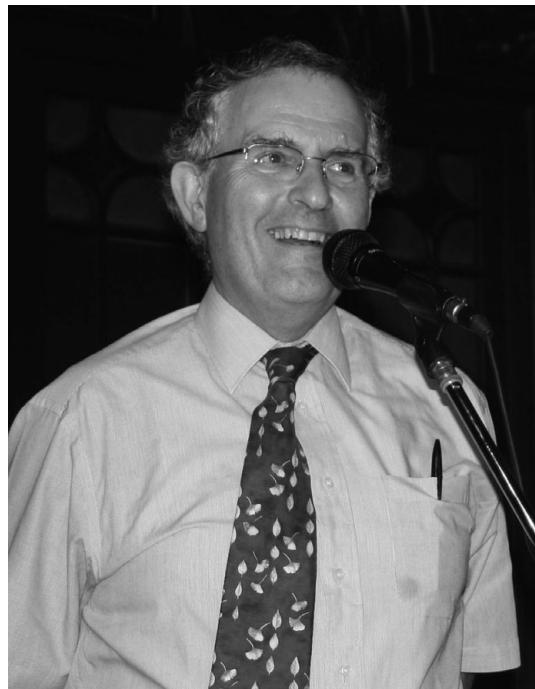
Patrick F. Smith

The conference 'Rings and Modules', in honour of Patrick F. Smith's 65th birthday and on the occasion of his retirement, gathered in Lisbon 67 of Patrick Smith's students, co-authors and friends from all over the world. The conference was held at Centro de Álgebra da Universidade de Lisboa (CAUL), 16th–19th September 2008.

The invited speakers were international experts in Ring and Module Theory and related subjects, also being long-term friends of Patrick, and talked about many aspects of rings, modules and algebras, not forgetting to mention Patrick's role in their lives, his scientific achievements and, above all, his friendship:

- Toma Albu (Bucharest, Romania), *Primal, completely irreducible, and primary meet decompositions in modules*;
- Alberto Facchini (Padova, Italy), *Monogeny class, epigeny class, upper part, lower part*;
- José Luis Gómez Pardo (Santiago de Compostela, Spain), *Fitting's Lemma for non-finitely generated modules*;
- Charudatta Hajarnavis (Warwick, UK) – *Patrick Smith and the Artin-Rees property*;

- Christian Lomp (Porto, Portugal), *Regular and biregular module algebras*;
- Sergio Lopez-Permouth (Ohio, USA), *Rational power series, sequential codes and periodicity of sequences*;
- Barbara Osofsky (Rutgers, USA), *Injective hulls of a ring with compatible ring structures*;
- Mike Prest (Manchester, UK), *Decomposition of pure-injective modules*;
- Edmund Puczylowski (Warsaw, Poland), *Linear properties of the Goldie dimension of modules and modular lattices*;
- Adnan Tercan (Hacettepe, Turkey), C_{11}-*modules*;
- Robert Wisbauer (Düsseldorf, Germany), *Monads and comonads in module categories*.

There were also 27 contributed talks, covering a wide range of subjects (listed below). The diversity of topics is also reflected in these proceedings, and we wish to thank all the speakers and all the authors for their contributions. The Proceedings of the conference contains 14 articles, including 8 contributions from the invited speakers.

Paying tribute to Patrick could not be done without having a lot of fun and the conference dinner was a cheery event, including many speeches and a few ceilidh steps. The conference itself had finished earlier in the afternoon in the tradition of any Scottish gathering, with all the participants happily (even if not in tune...) singing Auld Lang Syne:

> *For auld lang syne, my dear,*
> *for auld lang syne,*
> *we'll tak a cup o' kindness yet,*
> *for auld lang syne.*

Finally I would like to thank our scientific committee,

- Ken A. Brown (Glasgow, UK);
- John Clark (Otago, New Zealand);
- José Luis Gómez Pardo (Santiago de Compostela, Spain);
- Dinh Van Huynh (Ohio, USA);

- Barbara Osofsky (Rutgers, USA);
- Robert Wisbauer (Düsseldorf, Germany).

for their help and suggestions, as well as my co-organisers,

- Nguyen Viet Dung (Ohio, USA);
- Pedro Antonio Guil Asensio (Murcia, Spain);
- Robert J. Marsh (Leeds, UK).

and CAUL's secretary Patrícia Paraíba, for their help in organising this conference. Thanks also to the editors,

- Robert J. Marsh (Leeds, UK) (Chair);
- Ken A. Brown (Glasgow, UK);
- Pedro Antonio Guil Asensio (Murcia, Spain).

and to Ian Strachan (Glasgow, UK), chief editor of the Glasgow Mathematical Journal.

A final word of thanks to Patrick, for being such an inspiration!

Catarina Santa-Clara, local organiser, May 2010.

Contributed talks

- Pıýnar Aydoğdu, *Chain conditions on non-summands*;
- Adalbert Bovdi, *Lie properties of crossed products*;
- Victor Bovdi, *Group algebras whose Lie algebras of skew-symmetric elements are Engel*;
- Stelios Charalambides, *Uniform modules relative to a torsion theory*;
- Septimiu Crivei, *On the Osofsky-Smith theorem*;
- Semra Doğruöz, *The relationship between torsion theories related with Goldie torsion theory and UC-modules relative to torsion theories*;
- Laiachi El Kaoutit, *Invertible unital bimodules over rings with local units, and related exact sequences of groups*;
- Sergio Estrada, *Pure injectivity with respect to cotorsion pairs*;
- Marzena Filipowicz-Chomko, *On rings which are filial and left but not right filial*;
- Yuval Ginosar, *On non-degenerate and bijective cohomology classes*;
- Jairo Z. Gonçalves, *Algebraic elements as free factors in simple artinian rings*;
- Marcela González Peláez, *On τ-full modules*;
- Małgorzata Hryniewicka, *On PI property for reduced algebras*;
- Ali Jaballah, *Alternative characterizations of ring extensions satisfying some finiteness conditions*;
- Surender K. Jain, *Conditions as to when a ring is Noetherian*;
- Fatih Karabacak, *On SIP-extending modules*;
- Derya Keskin Tütüncü, *Mixed injective modules*;
- Jan Krempa, *Around uniform dimension of modules*;
- Leandro Marin, *AB5 in the category of firm modules*;
- Jan Okniński, *Finitely presented monomial algebras*;
- César Polcino Milies, *Lie properties of symmetric elements in group algebras*;
- Francisco Raggi, *Basic preradicals and main injective modules*;

- Bulent Sarac, *Semiprime and radical submodules*;
- Ernesto Spinelli, *On the ∗-minimality of algebras with involution*;
- Figen Takıl, *Modules whose submodules are essentially embedded in some direct summands*;
- Gil Vernik, *On the center and the semi-center of the enveloping algebra of a finite dimensional solvable Lie algebra over a field of prime characteristic*;
- Ivan Yudin, *Skew product of rings over a monoid*.

List of Participants
for the International Conference "RINGS AND MODULES"

Albu, Toma	Romanian Academy, Romania
Arroyo, Maria José	Universidad Autonoma Metropolitana, Mexico
Aydoğdu, Pınar	Hacettepe University, Turkey
Bovdi, Adalbert	University of Debrecen, Hungary
Bovdi, Victor	University of Debrecen, Hungary
Brown, Kenneth A.	University of Glasgow, UK
Caenepeel, Stefaan	Vrije Universiteit Brussel, Belgium
Catino, Francesco	Università del Salento, Italy
Charalambides, Stelios	Norwegian University of Science and Technology, Norway
Clark, John	University of Otago, New Zealand
Crivei, Septimiu	Babes-Bolyai University, Romania
Doğruöz, Semra	Adnan Menderes University, Turkey
El Kaoutit, Laiachi	Universidad de Granada, Spain
Estrada, Sergio	Universidad de Murcia, Spain
Facchini, Alberto	Università di Padova, Italy
Fernandez-Alonso, Rogelio	Universidad Autonoma Metropolitana, Mexico
Filipowicz-Chomko, Marzena	Bialystok Technical University, Poland
Galvão, Maria Luísa	Universidade de Lisboa, Portugal
Garcia, José L.	Universidad de Murcia, Spain
Ginosar, Yuval	University of Haifa, Israel
Gómez Pardo, José Luis	Universidade de Santiago de Compostela, Spain
Gonçalves, Jairo	Universidade de São Paulo, Brazil
González Peláez, Marcela	Instituto Tecnológico Autónomo de Mexico, Mexico
González Rodrguez, Ramón	Universidade de Vigo, Spain
Guil Asensio, Pedro Antonio	Universidad de Murcia, Spain
Hajarnavis, Charudatta	University of Warwick, UK
Hryniewicka, Malgorzata	University of Bialystok, Poland
Jaballah, Ali	University of Sharjah, United Arab Emirates
Jain, S.K.	Ohio University, USA
Jespers, Eric Vrije	Universiteit Brussel, Belgium
Karabacak, Fatih	Anadolu University, Turkey
Keskin Tütüncü, Derya	Hacettepe University, Turkey
Krempa, Jan	University of Warsaw, Poland
Lobillo, Fco Javier	Universidad de Granada, Spain
Lomp, Christian	Universidade do Porto, Portugal

Lopez-Permouth, Sergio	Ohio University, USA
Macauley, Monica	University of Glasgow, UK
Macleod, Marjorie	University of Glasgow, UK
Marciniak, Dorota	Universidade Técnica de Lisboa, Portugal
Marin, Leandro	Universidad de Murcia, Spain
Matczuk, Jerzy	University of Warsaw, Poland
Miccoli, Maria Maddalena	Università del Salento, Italy
Nogueira, Maria Teresa	Universidade de Lisboa, Portugal
Okninski, Jan	University of Warsaw, Poland
Osofsky, Barbara	Rutgers University, USA
Özcan, A. Çiğdem	Hacettepe University, Turkey
Perone, Marco	Università degli studi di Padova, Italy
Polcino Milies, César	Universidade de São Paulo, Brazil
Prest, Mike	University of Manchester, UK
Puczylowski, Edmund	University of Warsaw, Poland
Pusat-Yılmaz, Dilek	Izmir Institute of Technology, Turkey
Raggi, Francisco	Universidad Nacional Autonoma de Mexico, Mexico
Rios, José	Universidad Nacional Autonoma de Mexico, Mexico
Rodriguez Gonzalez, Nieves	Universidade de Santiago de Compostela, Spain
Santa-Clara, Catarina	Universidade de Lisboa, Portugal
Sarac, Bulent	Hacettepe University, Turkey
Semião, Paulo	Universidade do Algarve, Portugal
Siciliano, Salvatore	Università del Salento, Italy
Simões, Maria Elisa	Universidade de Lisboa, Portugal
Simões, Raquel	University of Leeds, UK
Smith, Patrick F.	University of Glasgow, UK
Spinelli, Ernesto	Università del Salento, Italy
Takıl, Figen	Anadolu University, Turkey
Tercan, Adnan	Hacettepe University, Turkey
Vernik, Gil	Haifa University, Israel
Wisbauer, Robert	Heinrich-Heine-Universität, Germany
Yudin, Ivan	Universidade de Coimbra, Portugal