WORKSHOP ISLAND 3
ALGEBRAIC ASPECTS OF INTEGRABILITY

Islay, Scotland, UK

3–7 July 2007

Introduction. As did the very first ISLAND workshop, ISLAND 3 took place on the Hebridean island of Islay, providing a beautiful and serene surrounding for the meeting which ran for over four days. Building on the success of the previous meetings, ISLAND 3 saw the largest number (so far) of participants coming from countries all over the world. A complete list can be found below.

The keynote talks were delivered by international experts in aspects of integrable systems, including Professors Etsuro Date (Osaka, Japan), Boris Dubrovin (SISSA, Italy), Masatoshi Noumi (Kobe, Japan), Simon Ruijsenaars (Leeds, UK), Alexander Varchenko (Chapel-Hill, North-Carolina USA) and Alexander Veselov (Loughborough, UK). These talks reflected the large variety of algebraic aspects featured in integrable systems covering problems of universal critical behaviour of solutions of integrable equations, orthogonal polynomials and discrete integrable systems, interrelation between classical integrable systems and soliton solutions of wave equations, Calogero–Moser systems and Knizhnik–Zamolodchikov equations, the Bethe ansatz method and its application to algebraic geometry. A highlight of the workshop was the talk by Professor John McKay (Concordia, Canada) who pointed out the integrable systems structures appearing in the theory of modular functions. The diversity of the topics covered by the workshop is also reflected in these proceedings, and we wish to thank all the authors for their contributions.

The scientific success and high standard of the conference was matched by the hospitality and excellent food of the Machrie Hotel, Islay, and on behalf of all the local organisers we wish to express our sincere thanks to its staff and the hotel manager.

Well-deserved breaks between talks and scientific discussions were used to sample Islay's famous whiskies and explore its beautiful scenery and its history as the former seat of the Lords of the Isles. We hope that the impressions left by Scotland's hospitality and natural beauty as well as the stimulating scientific discussions held during the conference will see many participants return to the ISLAND workshops to come.

Finally we would like to give our thanks to our international advisory committee,

Harry Braden	University of Edinburgh
Boris Dubrovin	SISSA, Trieste
Alexander Veselov	Loughborough University,

for its help and suggestions, as well as our co-organisers Chris Athorne, Claire Gilson and Jon Nimmo, the postgraduate students Susan Macfarlane and Craig Sooman, Dr Chunxia Li (visiting on a Royal Society China fellowship) and Mrs Gail Henry from the Department of Mathematics, University of Glasgow, for their help in organising this workshop.

Misha Feigin, Christian Korff and Ian Strachan
The Editors

List of participants

Christopher Athorne	University of Glasgow
Mariusz Bialecki	The University of Tokyo
	Institute of Geophysics PAS
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Harry Braden	University of Edinburgh
Guido Carlet	SISSA
Oleg Chalykh	University of Leeds
Alexander Chervov	ITEP Moscow
Etsuro Date	Osaka University
Yassir Ibrahim Dinar	SISSA
Adam Doliwa	University of Warmia and Mazury
Boris Dubrovin	SISSA
Victor Enolski	Institute of Magnetism, Kiev
Misha Feigin	University of Glasgow
Eugene Ferapontov	Loughborough University
Allan Fordy	University of Leeds
Claire Gilson	University of Glasgow
Luc Haine	University of Louvain
Martin Hallnäs	Royal Institute of Technology
Masashi Hamanaka	University of Nagoya
John Harnad	CRM, Montreal
Jarmo Hietarinta	University of Turku
Luuk Hoevenaars	Utrecht University
Nalini Joshi	The University of Sydney
Kenji Kajiwara	Kyushu University
Saburo Kakei	Rikkyo University
Christian Korff	University of Glasgow
Chunxia Li	University of Glasgow
Sarah Lobb	University of Leeds
Sara Lombardo	Vrije Universiteit Amsterdam
Susan MacFarlane	University of Glasgow
John McKay	Concordia University
Jun Mada	The University of Tokyo
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Ian Strachan	University of Glasgow
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