



# **ANNUAL REVIEW**

April 2005 - March 2006

**Objective of the Remote Sensing and Photogrammetry Society:**

*To advance the education of the Public in the many fields of remote sensing and photogrammetry*

**Governing Instrument:**

*Memorandum and Articles of Association*

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# **THE REMOTE SENSING AND PHOTOGRAMMETRY SOCIETY**

*Report of the Trustees of the Society<sup>1</sup>*

APRIL 2005 - MARCH 2006

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<sup>1</sup> RSPSoc Trustees: P Aplin, M Cutler, J Drummond, D Holland, A Koh, S Lavender, S Marsh, P Mason, J Norton, J Shears, R Taft, R Teeuw, T Wicks, M Williams and P Zukowskyj

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# **1. FOREWORD BY THE PRESIDENT OF THE SOCIETY**

*Prof. David Rhind, Vice Chancellor of City University, is President of the Society.*

Welcome to this, the second annual review during my time as President of the Society. In it, you will find the evidence of a thriving Society developing an evolving subject which is of fascination to a growing number of people. My thanks and congratulations go to all who contribute to this healthy position.

Let me illustrate this through reference to the speech given at our Annual Conference Dinner by Vanessa Lawrence, Director General of the Ordnance Survey. Vanessa observed two trends in our industry: one towards ever-greater invisibility and the other in the opposite direction. The former is due to the way that the outputs of our Earth observation science have become such an integral part of geographic information as a whole that they may often be invisible to the user. This has both positive and negative impacts that can be debated at length! Instead, I would prefer to focus on the second trend, toward visibility: Vanessa also pointed out that Earth observation data has never had a higher profile, thanks to initiatives like GoogleEarth. Satellite imagery is becoming the standard backdrop to the reporting of current events in a way that maps were in years gone by. Let me examine this trend.

I have been involved in geographic information for over 35 years. Whilst I rarely get chance to be involved at the sharp end these days, my position with the Society and a number of other bodies gives me the opportunity to stay involved in driving forward the subject's evolution. Most recently I have become involved in Digital Earth. The concept of this goes back a decade to a book written by Al Gore and made famous in a speech in early 1998. As is the way with these things, there are now as many versions talked about, as there are speakers on the topic! But the common thread is the concept of a scientific and technological approach to the creation of an integrated set of digital data about the Earth, made available for modelling and monitoring purposes. There are of course political, socio-economic, organisational and financial elements to this development, as I have argued elsewhere. But the exciting thing for the Society is that the main source of these data is Earth Observation. I know that many Society members are doing excellent work in this area and I feel sure that RSPSoc will have an important role to play in making Digital Earth a reality.

There have been a series of conferences held on this fascinating subject and I was privileged to attend one in Beijing earlier this year that inaugurated a new International Society for the Digital Earth, on whose Executive I now sit. We in RSPSoc are well placed to play a role in these international developments. Elsewhere, our Chairman explains that making this type of linkage is one of the three main strands of our strategy. The first step is to ensure that the membership is informed about them and can play its part in forthcoming activities. A summit involving Helen Clark, the New Zealand Prime Minister, is planned for August 2006 and a major conference will be held in San Francisco in June 2007.

The second step is for me to highlight Society activities of relevance inside the appropriate fora. To make a start on that, I gave the President of the Chinese Academy of Sciences - one of the main drivers behind ISDE - our fraternal greetings. Members who are interested in contributing to this exciting development have a way in to the process. You are encouraged to contact me at the Society and we will see where this journey takes us.

David Rhind

# **2. MESSAGE FROM THE CHAIRMAN**

The past year has been a busy and exciting period for the Society. It also marked a significant changing of the Guard, with some of the last of those who had steered us through the merger process completing their service. There is no more fitting way to start this review than to thank Ian Downey, my predecessor, and Jon Finch, our long-serving Honorary General Secretary. During my first year as Chairman, Ian provided helpful advice and guidance, when it was required, and left me to get on with it, when it was not. The beginning of this review period marked the end of that formal relationship, but I know that I can call on Ian if I need to as we move forward. Mid-way through the review period, Jon

stepped down as Hon. Gen. Sec. and handed over to Philippa Mason. Six months later, she is still discovering all that Jon had brought to that role! It went well beyond the job description and the Society owes Jon an enormous debt of gratitude for his service over the years. On behalf of the membership, I thank both Ian and Jon and wish them well in their new ventures.

Whilst on the subject of thanks, I would like to pass on my own to Council for their hard work and dedication throughout the past year. The Trustees and associated Council members and attendees give up considerable time to make the Society function and I continue to be impressed by their enthusiasm and energy. Whether you enjoy the annual meeting, the Newsletter, one of our fine journals or are simply looking forward to the wonders of our new website, there is a Council member behind it. Volunteers are always welcome. There are elections annually, but we also have the power and flexibility to co-opt new members mid-session and there are of course numerous sub-committees and roles that extend this activity well beyond Council to the Special Interest Groups and beyond. Get involved and help make RSPSoc an even better Society for all of us in future years. Council is supported by the Executive Secretary, Karen Laughton, who has kept us on track despite the Executive Committee's elusive behaviour during extensive business travel commitments and in my case through an additional, lengthy paternity leave. We thank Karen for being at the end of the phone and always knowing what needs doing next. Finally, on this theme, Karen's colleague Rosemary McCabe, moved on to new pastures in Nottingham University during the review period. Rosemary has kept the finances ticking over, managing your membership efficiently and providing ammunition for our Honorary Treasurer to fire at Council and AGMs, when necessary. Good luck to Rosemary in her new role.

Elsewhere in this review, you will read a series of more detailed reports on specific areas of operations. I will simply pick out a few highlights that indicate the direction we are taking, following the strategy that I embarked upon 18 months ago. I highlighted three linked themes: capitalising on external relationships; a strong annual conference and membership growth.

Our desire to see the Society "punch above its weight" within the UK, Europe and internationally has begun to be met. We have become one of the main players in the UKGeoForum, an umbrella for 12 UK organisations concerned with imagery, maps and geographic information. This has delivered a number of benefits that bilateral relationships could not. We continue to enjoy a strong relationship with the European Association of Remote Sensing Laboratories. That organisation has recently strengthened its links to the European Space Agency and offers RSPSoc a powerful alliance on the European stage. Our role as the UK's adhering body to the International Society for Photogrammetry and Remote Sensing gives us both an international presence and a leadership role in an ISPRS activity of importance to two UK partners, the Royal Institution of Chartered Surveyors and the Institution of Civil Engineering Surveyors. Having consolidated these three multilateral arrangements, we are now looking at other opportunities offered through bilateral agreements and I expect to see this area strengthened further in the year ahead.

The second theme that I have pursued has been to develop and strengthen the Annual Conference. We have put in place a strong series of meetings stretching forward until 2008. This means that the arrangements for Newcastle in 2007 are already well advanced. During the review period we held the Annual Conference in Portsmouth. The number and quality of presentations were up significantly and the strong collaboration with ISPRS and others saw attendance increase too. On the back of this, new Special Interest Groups have sprung up, for example, in lidar and vegetation this year and the groups on radar and modelling have been revitalised. The results of this will be seen in Cambridge in September 2006. We have also entered into a new relationship with Informa, the conference arm of Taylor and Francis who publish the International Journal of Remote Sensing. We hope this will further strengthen our annual event, making it the key remote sensing and photogrammetry conference to attend in the UK.

Our healthy balance sheet offers us stability and the luxury to undertake new ventures with confidence. It is worth noting that for the first time royalties from the Photogrammetric Record contributed to this success, meaning that we are ahead of schedule in the new publishing relationship with Blackwells. But the healthy balance sheet cannot disguise the fact that membership, while stabilised, now needs to be grown. It will be towards this goal that your money will be invested. The first step is the new website. This is developing rapidly and we plan to launch it at the Cambridge meeting. The Membership and Publicity Committee are developing other initiatives and you will see these take effect over the coming

year. I also intend to look, as promised, at the issue of equalising benefits for all members as the last adjustment to our structure following the merger.

Fruitful external relationships, a developing annual conference series and growing membership; the seeds have been sown and we now need to nurture them and reap the harvest. With your help, I will continue to work towards the realisation of our strategy. The quality of the people that I am working with gives me confidence that our goals will be reached.

Stuart Marsh  
Chairman

### **3. COUNCIL MEMBERSHIP**

Council met in May, July and October of 2005 and February of 2006. The Society's AGM was held at Portsmouth University in September 2005, when Clare Power and Tony Smart stepped down having served two terms on Council. Crona O'Shea came to the end of her term as Student Representative and also stepped down. Council would like to thank them all for their hard work and commitment to the Society.

Jon Finch stepped down from his position as the Society's Honorary General Secretary, having served since 1997 on the Remote Sensing Society's Council. Jon's dedicated service as Hon. Gen. Sec., spanning the period of the merger of the two Societies, provided a great deal of stability at a time of some uncertainty. Council would like to acknowledge Jon's contribution to the success of the new Society and to express its deep gratitude to him. The new appointments of myself as Hon. Gen. Sec. and of Paul Aplin as Vice Chairman, by Council, were also announced at the AGM.

This year also saw several new members elected to Council: David Holland (Ordnance Survey), Richard Teeuw (Portsmouth University), Paul Zukowskyj (University of Hertfordshire) and Samantha Lavender (Plymouth University). Clive Farquhar was appointed as Student Representative but unfortunately had to step down prematurely, which meant that the newly appointed Shadow Student Representative, Rachel Gaulton, was duly promoted. To assist her Pauline Miller volunteered to organise the Annual Student Meeting and Council would like to express its thanks for her efforts in doing so.

Council has been very busy with the construction of the Society's new website this year but wishes to express its gratitude to Martin Wickett for his considerable efforts as webmaster of the 'old' website and for his part in ensuring a smooth transition with the new one.

On behalf of Council, I would like to thank the Society's office staff: Karen Laughton and Rosemary McCabe. The Society could not operate without their efficient and dedicated work, which goes on largely behind the scenes. Sadly Rosemary has recently left the Society for pastures new and so I would like to add Council's good wishes to her for the future. My personal thanks also go to them for providing me with a great deal of help and advice in my first year as the Society's Hon. Gen. Sec., without which I would have floundered. On the same theme, I would also like to add my personal gratitude to Jon Finch; his efficiency and effectiveness as Hon. Gen. Sec. become ever clearer to me as the months go by. Many thanks, Jon.



Philippa Mason  
Honorary General Secretary

## 4. REPORT OF THE HON. TREASURER

The accounts for the year 2005/06 are presented in full in Annex 3 of the Annual Report.

At the end of my report last year I warned that a very few variations in income and expenditure could have a very significant impact on the profit and loss account and, hence, the balance sheet. This year those very few variations have occurred and the resulting consequence is clearly evident in the published accounts.

Income from the Annual Conference has plummeted from £8,804 to £545. Income from Day Symposia has tumbled from £6,242 to £566. A net reduction of £13,935 which represents 14% of the expected income for one year.

Fortunately the royalties' income from IJRS via Taylor & Francis, interest on our various bank and investment accounts and the exchange on foreign currency holdings have all moved in a positive direction. The one item that is enabling us to show a profit on the year is the inclusion of the NCPRS funds into the main accounts now that UK ISPRS concerns are part of the External Affairs activities of the Society. This £8,415 is, however, classed as a restricted fund and can only be used for supporting ISPRS activities.

Expenditure has generally risen in line with expectations. We knew that administration costs had been depressed in 2004/05 due to accruals retained in the previous year. Council and Committee expenses have increased 44% and these will be subject to closer monitoring in the coming year. The other major expense, re-design of the web-site, had already been discussed and approved. It is encouraging to note, however, that the cost of publishing *The Photogrammetric Record*, in partnership with Blackwells, is declining in line with our projected seven year plan.

I will now return to a comment I have made in the last two reports, Subscription income. A comparison of 2003/04, 2004/05 and now 2005/06 shows the income to be essentially flat. This is an issue for not just the Membership Committee but for all members. If the Society is to expand we need to attract more members and I believe all existing members should accept the responsibility to make this happen. It is anticipated that the web-site re-design will assist the drive to gain new members but everyone should be actively helping to ensure its success.

So, in conclusion, we have a healthy balance sheet, we have made some significant investments and the total asset value of the Society has topped the £250,000 mark but it is not a time to become complacent; balance sheets do not balance and grow on their own.



Robert J. Taft FRSPSoc  
Honorary Treasurer

## 5. AWARDS & PROFESSIONAL STANDARDS COMMITTEE

The Society's awards are given either in recognition of the contribution made to the Remote Sensing and Photogrammetry disciplines by their recipients, or to recognise younger professionals with potential to make significant contributions to the disciplines.

Below is a list of award recipients for this year. They will be presented with their awards at the Annual Conference in Cambridge. It was felt appropriate to make a Founder's award in the period covered by this review to recognise a significant individual commitment to service in support of the Society.

Several Masters level and PhD theses have been submitted and, although their quality remains high, we would very much like to receive more nominations. Applications for travel bursaries remain buoyant.

### AWARDS AND TRAVEL BURSARIES

#### **The Remote Sensing and Photogrammetry Society Award:**

For 'services to Remote Sensing and/or Photogrammetry', through sustained and distinguished contributions to furthering the science and applications which use remote sensing or photogrammetry. The terms of the award state that it is "to be awarded on an occasional basis and never more than once in any year". This award consists of a suitably inscribed Gold Medal and Honorary Membership of the Society for Life.

*No award made during the reporting period.*

#### **Founders' Award:**

An award linked to the names of departed Founders for those who have made significant, original and personal contributions to the Society. Awarded occasionally by resolution of Council. This award consists of a Silver Medal and a cheque for £250.

#### **Ernie Wickens**

Citation: For Services to the Remote Sensing and Photogrammetry Society

Ernie Wickens has had an exceptionally varied career. On leaving school he was employed as a field surveyor at the Ordnance Survey, later becoming an "indoor" (photogrammetric) surveyor. He spent time at Fairey Surveys Ltd (once a leading British mapping firm) before moving to UCL as a "Chief Technician" in April 1964 where he became a highly respected and helpful member of staff. He left UCL in 1989 and went to Wild (UK) Ltd, then joining Carl Zeiss (Oberkochen) which became ZI Imaging where he remained until his retirement in 2001. Ernie effectively replaced Mark Hart (another active member of the former Photogrammetric Society) as the UK face of Zeiss. As a representative of a German non-profit foundation (the Carl Zeiss Stiftung) dedicated to engineering perfection, Ernie may at times have been uncomfortable at this interface of educated and pragmatic solutions!

Ernie joined the Society of Surveying Technicians becoming a Fellow of that organisation, which eventually merged with the RICS to give him the TechRICS qualification.

Ernie was elected as a Vice-President of the Photogrammetric Society in 1995. He had already served on Council from 1978 to 1989 and again from 1992, initially as Honorary Treasurer from 1978 to 1983. He was an ever-present participant in the weekend symposia of the Photogrammetric Society. On one occasion he demonstrated the breadth of his interests beyond photogrammetry (and incidentally well into remote sensing) and was involved in organising a dowsing (water divining) session on the lawns of the Birmingham University campus during a break in the symposium programme.

Ernie's part in fostering and executing the merger of the Photogrammetric and Remote Sensing

Societies, as last President of PSoc (1999-2001) and one of the two first Co-Chairmen of the Remote Sensing and Photogrammetry Society is a matter of record. However it is important not to overlook his earlier contributions to the Photogrammetric Society and to the science and technology of photogrammetry. Ernie's quiet good humour certainly ranks with his administrative and technical contributions in the recollections both of students and colleagues. Scrutiny of the Cumulative Index of The Photogrammetric Record will reveal his contribution over a thirty year period.

### **The Len Curtis Award:**

For an outstanding technical publication published in the preceding year in the International Journal of Remote Sensing. Certificate and books to the value of £200, normally sponsored by Taylor and Francis.

Awarded to: FJ García-Haro, S Sommer and T Kemper, "A new tool for variable multiple endmember spectral mixture analysis (VMESMA), *IJRS, Vol 26 (10), pp 2135-2162.*

### **E H Thompson Award:**

Awarded to the author(s) of the paper in The Photogrammetric Record which most merits the award. The award will be made primarily for the originality of the content and the value of the paper to photogrammetry. It will be made from all those eligible papers published in the two-year period up to and including April of the year in which the award is to be made. The current period of eligibility is 2005/07, thus no award is to be made this year.

### **The Taylor and Francis Best Letter Award:**

For the best letter published in the International Journal of Remote Sensing during the previous calendar year. The award winner receives a certificate and one year's free subscription to The International Journal of Remote Sensing, or books to the value of £100. Sponsored by Taylor and Francis.

Awarded to: Rahman, M.M., Csaplovics, E. and Koch, B. (2005): An efficient regression strategy for extracting forest biomass information from satellite sensor data, *IJRS, Vol 26, (7), pp 1511-1519.*

### **The Student Awards:**

For the best Doctoral and Masters theses, on the subjects of remote sensing and/or photogrammetry, accepted by a University during the previous calendar year and restricted to student members of the Society. Certificate and cheques for £500 (Doctoral) and £250 (Masters). These awards are sponsored by: Leica Geosystems Limited. This year's awards are to:

- **PhD:** Magnus Wettle (University of Hull), Monitoring Coral Reef Bleaching from Space - A feasibility study using a physics-based remote sensing approach; and
- **MSc:** Nikolaos Kokkas (UCL, London), Evaluation of the ADS40 and ALS50 for automated building reconstruction

### **Poster Paper Prize:**

For the best poster paper displayed at the Annual Conference of the Society. A Main Award of £100 and a runner-up Merit Award of £25. Sponsored by the Society.

The following were awarded at RSPSoc 2005 - Mapping and Resources Management:

- **Main Award (£100)** - InSAR measurements of volcanic deformation at Etna - forward modelling of atmospheric errors for interferogram correction, R Holley, G Wadge and M Zhu (ESSC, University of Reading)
- **Merit Award (£25)** - A multi-sensor approach for desertification monitoring in the coastal areas of Vietnam, V A Hoang, M Williams and D Manning (University of Newcastle)

### **Travel Bursaries:**

For travel which supports the aims of the Society, especially towards part of the costs of student and younger members of the Society who are presenting papers at international conferences. Varying sums (£75 - £250) were awarded to:

- Mr E Wallington (University of Edinburgh), to attend the ForestSAT 2005 Conference, Boras, Sweden, 31 May - 3 June 2005 (£100)
- Miss R Gaulton (University of Edinburgh), to attend the ForestSAT 2005 Conference, Boras, Sweden, 31 May - 3 June 2005 (£100)
- Mr T Mathew (University of Nottingham), to attend the 31st International Symposium on Remote Sensing of Environment (ISRSE), St Petersburg, 20 - 24 June 2005 (£250)
- Ms A Hoscolo (University of Leicester), to attend RSPSoc2005, Portsmouth, UK, 6 - 9 September 2005, Portsmouth, UK (£150)
- Mr D Bruno (Cranfield University), to attend the 56th International Astronautical Conference, Fukuoka, Japan, 17-21 October 2005 (£250)
- Mr G Ottavianelli (Cranfield University), to attend the 56th International Astronautical Conference, Fukuoka, Japan, 17-21 October 2005 (£250)
- Mr A Gidudu (University of Cape Town), to attend the 9th International Symposium on Physical Measurements and Signatures in Remote Sensing (ISPMSRS2005), Beijing, China, 17- 19 October 2005 (£250)
- Miss H Sykes (University of Wales, Swansea), to attend the Fringe 2005 Workshop, ESA-ESRIN, Frascati, Italy, 28 November - 2 December 2005 (£75)
- Ms D O Dorta (University of Coventry), to attend the Cities on Volcanoes Conference (COV4), Quito, Ecuador, 23-27 January 2006 (£250)

*Jane E. Drummond*

Jane Drummond

## 6. EDUCATION & TRAINING COMMITTEE

Clare Power has completed her term as Chairman of the Education and Training Committee and Alexander Koh was elected into this role at the 2005 AGM.

Since September 2005, the Committee has focussed its efforts towards the development of electronic resources for integration into the new Society website. Activities include a workshop held at Bristol University on 8th March 2006 which was organised by Dr Clare Power. The aims of this workshop were to:

1. share experience and expertise in web-authoring and education material production
2. produce a plan for the project to produce education material for the new RSPSoc website
3. learn how to use the Bristol University Moodle/ Wiki web tools

Contributions to the workshop were gratefully received from T Bramald, A Caldwell, A Koh, J McMorrow, T Milton, C Power, G Salt and M Williams.

On behalf of the Committee, A Koh with support from Bath Spa University, is collating and evaluating a range of resources to see if they are suitable or can be used within the planned web environment. Material received so far include copyright free data sets, tutorials, information sheets, presentations and weblinks. Appropriate material will be selected for inclusion in the new website, and sample modules are due to be submitted to the web developers in July 2006. The Committee would like to thank C Power and A Ramsden & Co of Bristol University for hosting the event and for the Blackboard training session.

Education and Training Committee are in the process of organising a workshop on Mapping from Digital Aerial Imagery and Elevation Models. This will be aimed at new and existing users of digital aerial data, undergraduate and postgraduate students, teachers, teacher trainers and data vendors. This will serve to promote awareness of remote sensing and photogrammetry among teachers and students at all levels. The Newton Park Campus at Bath Spa University is the proposed venue for this workshop.

The Committee would like to thank Dr. Clare Power for her invaluable contribution to the Society, in particular for her contribution to the Window On the World and Window On the UK CD ROMs.

Alexander Koh

## **7. EXTERNAL AFFAIRS COMMITTEE**

The start of the reporting period saw the final arrangements completed for the Society to become the UK's affiliating body to the International Society for Photogrammetry and Remote Sensing. The remaining funds were transferred from the UK National Committee on Photogrammetry and Remote Sensing to the Society. This marked the closure of the former body, which is now replaced by the Society's ISPRS Committee. Membership includes the Royal Institution of Chartered Surveyors and the Institution of Civil Engineering Surveyors, with the ISPRS President, EuroSDR Chairman and UK Council member of the European Association of Remote Sensing Laboratories all being present too. The funds will continue to be used solely for the purposes of the UK's affiliation to ISPRS, as before, and they have been established in the RSPSoc accounts so as to reflect this status. Within Europe, cooperation continued with EARSeL over workshops, conferences and symposia. During the review period the EARSeL Secretary, Madeleine Godefroy, retired. In recognition of her many years contributing to strong EARSeL-RSPSoc relations, she was awarded the RSPSoc Founders Award at the Annual Conference in September 2005.

Relations with the 12 other national organisations concerned with geographic information in its many forms continue to be managed through the UKGeoForum, an evolving best-efforts cooperation. Cross-promotion at Exhibitions and Trade Fairs has meant that RSPSoc has gained exposure in many locations where it would otherwise be absent. Coordination of technical meeting programmes has also proved worthwhile. In January 2006, the UKGeoForum held its first annual lecture at the Royal Institution of Chartered Surveyors in London, followed by a drinks reception. The rationale established by the forum for this prestigious annual event is to invite a lecture from someone who reflects the interests of as many of the UKGeoForum's constituent bodies as possible. This is designed to secure something greater than the sum of the parts, which is unlikely to be a topic for a lecture within a single constituent body. The 2006 Lecture was awarded to MapAction for their work on disaster relief using mapping, imagery, locational information and GIS. Other UKGeoForum initiatives are to look at the establishment of a simple UKGeoForum website and to consider ways of influencing government in appropriate policy areas. It is beginning to form a strong national forum for the Society that balances well against EARSeL at European level and ISPRS internationally.

Stuart Marsh

## **8. MEMBERSHIP AND PUBLICITY COMMITTEE**

The Membership and Publicity Committee (M&P) has had a year of review and consolidation and in February 2006 it appointed Toby Wicks (Ordnance Survey) as the new Committee Convener. Many ideas are under investigation, several of which will leverage the new website.

Richard Goodman has once again been responsible for RSPSoc's presence at a number of key events this year. Exhibitions provide excellent visibility and at such events the Society provides a graphic display and leaflet stand and, wherever possible, a Council member to provide extra support and information. In all cases the Society attempts to obtain the stand free of charge. Exhibitions at RSPSoc 2005 (Portsmouth), World of Geomatics (Coventry) and The Earth Observation Forum (Perth) were particularly successful; many thanks to all involved. The coming year will see the replacement of the Society's exhibition display, to accompany the launch of and to mirror the corporate style of the new website.

Membership numbers are more or less static again this year. M&P are keen to promote sustainable growth (in-line with the Chairman's strategy) and will be focusing on various membership drives for

the coming year. Graduate and Corporate members will be receiving particular attention in the coming months. M&P and the RSPSoc office staff are currently investigating new strategies to reduce the annual loss of members and the number of non-payers.

As always, the M&P Committee are keen to hear the views of the Membership and, to that end, September will see the launch of a questionnaire focused on membership issues.

Toby Wicks

## **9. PUBLICATIONS COMMITTEE**

Members of the Publications Committee have once again been working hard to maintain and improve key elements of the Society's aim to disseminate and publicise the work of its members.

As you are no doubt aware, the Society's web site is undergoing a radical redesign, work that is reported by the Special Projects Committee. However, the Committee is indebted to the work put in by the previous webmaster, Martin Wickett, and his successor Fakhar Khalid. The old web site has continued to function during the redesign period and has proved a valuable tool in attracting membership and disseminating the work of the Society these past years. The new site will contain a variety of new features that we hope members and non-members alike will find useful and the Committee would urge all members to both view, comment and interact with the new material and features.

The Society's two journals continue to prosper, with the *International Journal of Remote Sensing* maintaining its role as a key financial foundation for the Society. The *Photogrammetric Record* has also had a good year, with a 23% increase in the number of articles downloaded in 2005, compared to 2004. Its financial position has also continued to improve and the journal is well on course to achieve the targets set by the budgetary plan. A project for the forthcoming year will be the digitising of all the back issues of the Record and which we hope will be a valuable Society resource. The success of our publications relies on the hard work of the editorial teams of both journals and the Society is indebted to the hard work put in by both teams, and particularly the two editors.

A key appointment to the editorial team of the *International Journal of Remote Sensing* in the forthcoming year will be a Co Editor-in-Chief. The current Editor-in-Chief, Arthur Cracknell, will continue in his role and the new appointment will work alongside Arthur for the foreseeable future.

I hope that you have enjoyed the *RSPSoc Newsletter* over the past year and thanks once again to Paul Mather for his stimulating and entertaining editorials. You will also have noted that Paul Newby's editorials from the *Photogrammetric Record* are also reproduced in the Newsletter. Both Pauls spend much time and thought in putting these together and it would be heartening to see a response from members to these often provoking and timely pieces. Both the Newsletter and the new web site provide opportunities for discussion and dissemination but this can only happen with input from members.

Finally, in addition to those mentioned by name there are a number of other individuals who have given their time to maintaining the quality and success of the Society's publications and I should like to express my thanks to them all. However, we are constantly seeking volunteers who are willing to become involved in any of the Society's publications, from those who have a knowledge of our industry who can help coordinate advertising, to those who can contribute regular material to any of our publications, so please do get involved.

Mark Cutler

## **10. SPECIAL PROJECTS COMMITTEE**

The Society's Special Projects Committee convenes occasionally and on a temporary basis to handle any specific and notable issue or event that falls outwith the agendas of all other Technical Committees. The last time the Special Projects Committee operated was in 2002, when it was responsible for organising the RSPSoc Autumn Meeting on 'Digital Imagery Data Standards', under the Chair of Roberta Payne (see the report in the 2002-2003 Annual Review). The Committee reconvened in 2005 to oversee the development and implementation of the new RSPSoc website.

The proposal to overhaul the website was initially proposed by the Membership and Publicity Committee, following consultation with Executive Committee, in May 2005. In fact, this idea had been first conceived some time before, and had been mentioned in a Strategy Paper by the Society's previous Chairman, Ian Downey. The rationale behind it was to improve the currency and usefulness of the Society's website, to provide a better service to Members and to act as a hub for the remote sensing and photogrammetry community in the UK and elsewhere.

Initially, the development of a new website structure was led by Jonathan Shears and the Membership and Publicity Committee, with input from Executive Committee and Council. Three website development companies were invited to tender for the contract and Purple Dogfish was awarded the contract in late 2005. RSPSoc Members were notified of the intention to redevelop the website at the Annual General Meeting in Portsmouth, September 2005, notably through a presentation by Jonathan Shears and an introduction by representatives of Purple Dogfish. At this time, and through subsequent Chairman's Messages in the last three RSPSoc Newsletters (October 2005, January 2006, April 2006), RSPSoc Members were canvassed to comment on the website plans, helping guide the website development team. Around this time, the Special Projects Committee was reconvened, under the chairmanship of Paul Aplin, to oversee the development of the website.

In addition to the Special Projects Committee, other appointments were made to aid current operation and future development of the website. Martin Wickett, the longstanding RSPSoc webmaster, stood down and is thanked enormously for his great efforts over the last five years. Fakhar Khalid has replaced Martin and is currently webmaster of the existing (old) website. Karen Anderson will be webmaster of the redeveloped (new) website and has led the Society's input on the technical development of the website, in close consultation with Purple Dogfish.

The development of the website is well underway and it is hoped the new website will be launched at the 2006 Annual Conference in Cambridge in September. A website structure was formulated, following much iteration, in early 2006, and a website design was agreed upon, again following much consultation with Council and other interested parties, in Spring 2006. The website structure is being populated with content throughout the Summer, leading to the final product, due in early Autumn. It is hoped, indeed expected, that the new website will mark a new era for a modern and relevant Society, improving benefits to members, raising the profile of RSPSoc and fulfilling the Society's principle objective of increasing awareness and education generally in the discipline of remote sensing and photogrammetry.

Paul Aplin

## **11. TECHNICAL PROGRAMME COMMITTEE**

During 2005/06 the Technical Programme Committee concentrated on raising the profile of the Society's Annual Conference and developing external links, the two priority areas identified in 2004-05.

The RSPSoc Chairman's stated goals to grow the Annual Conference into "THE event for the remote sensing and photogrammetry community in the UK" (RSPSoc Newsletter, January 2005) were advanced by a very successful 2005 Annual Conference at Portsmouth University. This event, entitled 'Measuring, Mapping and Managing a Hazardous World', incorporated the Natural Environment Research Council's Earth Observation workshop. Thanks to the considerable effort invested by the local organisers, there was a very strong programme of presentations, including a well-received vendor session and academic papers of high scientific quality. Over 230 delegates attended, including many from overseas.

The 2006 Annual Conference is intended to build on the success of 2005 with a theme of 'Understanding a Changing World: Integrated Approaches to Monitoring, Measuring and Modelling the Environment'. It will be co-hosted at Fitzwilliam College, Cambridge University, by the Unit for Landscape Modelling and Informa plc. Informa, part of the Taylor & Francis Group, will be responsible for expanding the commercial and public sector elements of the event.

Preparations for the 2007 Annual Conference, to be hosted by Newcastle University, are at an advanced stage, with the inclusion of two ISPRS workshops already confirmed.

External links have been strengthened through membership of the UKGeoforum, an organisation established to raise the profile of member societies through mutual cooperation and support mechanisms such as a common calendar of events and shared stands at conferences, seminars and trade shows. Regular joint meetings, whereby the Society stages events in collaboration with related organisations, were a strong feature of the Technical Programme in 2005/06. In April the Society held a workshop, in collaboration with Society for Experimental Biology (SEB), on imaging techniques for understanding plant responses to stress. Additionally, the Geological Remote Sensing Group (GRSG) held several successful joint meetings with organisations including the International Association for Mathematical Geology (IAMG) and EARSeL. The Society continues to hold evening lectures jointly with the Royal Institute of Chartered Surveyors, and this year's programme has included lectures on photogrammetry and remote sensing in cultural heritage, and topographic surveying for biomass estimation from airborne radar.

The initiatives implemented over the last year to re-invigorate 'latent' Special Interest Groups (SIGs) and encourage formation of new SIGs are beginning to bear fruit, with a series of one-day meetings already planned.

With increasing involvement in joint meetings and cross advertising at UKGeoforum events, the issue of how best to provide relevant up-to-date information on forthcoming events is a challenge. In the short-term the Technical Programme will continue to be advertised on the inside front cover of the quarterly Newsletter, supplemented by email announcements. On the longer term, the Committee and Council will be exploring other possibilities.

Members are reminded that the vitality of the Technical Programme is dependent on active participation of the Membership. The provision of a strong and interesting programme of events relies on the Society's members to attend and provide feedback on meetings and to volunteer ideas and assistance in organising future ones.

Meredith Williams

## **12. STUDENT REPRESENTATIVE'S REPORT**

The RSPSoc Annual Conference has always provided a strong focal point for the Society's students, and the 2005 Portsmouth event was no different. Students from across the country were able to present their work through oral and poster presentations, and there was ample opportunity for networking both with fellow-students and amongst the wider research community. In addition, evening social events provided the chance to renew old friendships and develop new ones, in a relaxed setting.

After the success of the 2005 Annual Student Meeting, it was important to try to maintain the momentum and enthusiasm this had generated. The 2006 meeting was hosted by the School of Civil Engineering and Geosciences at the University of Newcastle upon Tyne from the 10<sup>th</sup> to 11<sup>th</sup> April. Through the generous support of thirteen sponsors, who contributed a total of £2000 plus prizes, registration costs were minimised, while still enabling an all-inclusive approach. With a total of 40 students registered, this proved to be one of the best-attended meetings of recent years, and it was extremely encouraging to welcome so many new faces to the Society. Keynote speakers from Durham and Newcastle Universities provided engaging and wide-ranging contributions to whet the appetite. These were followed by high-calibre oral and poster contributions from the students, who provided insights into a diverse range of research areas, stimulating much discussion over coffee and lunch breaks. An evening of organised socialising got off to a fiercely competitive start as (the male) students

vied for the title of ten pin bowling champion. The generosity of the meeting sponsors cannot be over-emphasised, but a huge vote of thanks must also go to the students for firstly making the effort to get involved, and secondly for taking the time to prepare such high quality contributions. This provides great encouragement for the 2007 Annual Student Meeting, which will be held at the University of Edinburgh.

The new RSPSoc web site offers a great opportunity for further student involvement, and it is hoped that over the coming months and years, this can provide a real focal point for student issues, opportunities and information sharing.

As we approach the summer, attention now shifts again to the 2006 RSPSoc Annual Conference at the University of Cambridge. Plans are already afoot for an informal student-oriented evening.

Pauline Miller

## **13. SPECIAL INTEREST GROUPS (SIGS)**

### **Overview**

The past year has been an eventful time for the SIGs with the closure and re-activation of SIGs that had been quiet in recent years and the creation of two new SIGs. Activity was galvanized by the chairman's message in the July 2005 newsletter and resulted in several discussions during the 2005 Annual Conference. The GIS SIG has since been closed down, but the MAT and SAR SIGs are planning sessions at the 2006 Annual Conference. In addition, the Laser Scanning and Lidar SIG held its first meeting (with over 60 people attending) in February and has sessions planned for the 2006 Annual Conference, and the Vegetation SIG will be running its first session at the 2006 Annual Conference. I would therefore like to welcome Sarah Smith-Voysey and Doreen Boyd (Laser Scanning and Lidar SIG); Andrew Sowter and Steve Hobbs (SAR SIG); and Heiko Balzter and Paul Zukowskyj (Vegetation SIG).

The SIGs have also become a Committee reporting to Council, with myself as the Chairperson. We are always ready to accept suggestions for further SIGs, and I'm sure that the SIG conveners welcome input and assistance.

Samantha Lavender  
SIG Co-ordinator

### **Archaeology SIG**

The Archaeology SIG (ArchSIG) aims to encourage the exchange of research and methodology between remote sensing scientists and archaeologists, especially those concerned with methods of site prospection and novel applications.

Meetings concentrate on a mixture of case studies and methodology development, and include ground-based methods, photogrammetry, LIDAR, laser scanning, and geophysical prospection, as well as aerial photography and thermal imaging.

The SIG has formed a new steering group, which met early in April, and is currently planning three meetings to take place over the next 18 months. Further announcements will be made when details have been finalized.

Chris Brooke

### **Geographical Information System (GIS) SIG**

There has been no activity in the past year.

Stuart Barr

## **Geological Remote Sensing Group**

2005 has been an eventful year for the GRSG, with an increasingly international aspect to activities. A one-day meeting on the remote sensing of volcanoes and associated hazards, held at the Remote Sensing & Photogrammetry Society Annual Conference, attracted a large audience, with presentations involving authors from over 20 countries. A special “volcanic” edition of the International Journal of Remote Sensing, building on those presentations, is now being prepared. This year’s Annual Conference, on new developments in geological remote sensing, was also well attended, with about 50 delegates, including some from the Netherlands and Germany.

Early in 2005 concerns were raised at GRSG Committee meetings about falling membership numbers. This prompted a review of strategies for attracting new members and procedures for encouraging membership renewal (which seem to be the main problem area). A new GRSG officer, focused on membership issues, was appointed and has proceeded to improve things. By the 15 December 2005 AGM, membership was back to the previous year’s level and looked set to increase to about 200 by early 2006. The AGM also considered the GRSG Newsletter’s shift from paper and ‘slow-mail’ to an emailed digital format; the membership feedback being very positive.

At the AGM there were requests for GRSG to take on a more international role. There appears to be no other organisation with a specific remit to promote, and encourage the development of, geological remote sensing. GRSG’s non-profit, low-cost approach to organising topical conferences, makes it popular with practitioners of geological remote sensing. A series of GRSG conferences over the next two years, alternating between venues in North America, Europe and possibly Australia, have been agreed with GRSG overseas representatives. Becoming more involved with international events will inevitably involve more costs, so new corporate sponsors are being sought, to subsidise conference fees and to help fund keynote speakers. This has had some initial success, with Shell Exploration recently becoming a GRSG Corporate Member.

During 2006 there will be jointly organised conferences with the European Association of Remote Sensing Labs (Warsaw, 2<sup>nd</sup> June: lowland geohazards) and the International Association for Mathematical Geology (Liege: 3-5 Sept: elevation models; spectral and spatial classification). The 2006 GRSG Annual Conference, at Burlington House on 3-4 Dec, will focus on remote sensing aspects of Earth resources, particularly their exploration, extraction and environmental impacts.

Richard Teeuw  
Chairman, GRSG

## **Models & Advanced Techniques SIG**

The MAT SIG had another quiet year, but is being re-vitalised with two sessions on topics of international interest at the RSPSoc 2006 Annual Conference.

Peter North

## **National Association of Aerial Photographic Libraries, NAPLIB**

The 2005 Annual Meeting of NAPLIB was hosted by English Heritage at their headquarters in Swindon on 21-22 September 2005. Presentations were made on subjects such as the aerial

photographic recording of archaeological monuments, copyright law and Ordnance Survey's flying programme. Members also attended workshops on the English Heritage 'Photonet' system and the workings of the National Monuments Record (NMR).

At the AGM, held in conjunction with the conference, Kevin McLaren (Royal Commission on the Ancient and Historical Monuments of Scotland) was re-elected as Honorary Secretary, Damon Spiers (English Heritage) was elected as Honorary Membership Secretary and Derek Edwards was elected to the Executive Committee. His term as Chairman having expired at the meeting, Chris Going (The Geoinformation Group) will now serve on the executive committee as Past-Chair.

The Executive Committee has met once during the year, on 20th January 2006. The 2006 annual meeting will be held at the British Geological Survey, Keyworth, in October.

Kevin McLaren

### **Ocean Colour SIG**

The Ocean Colour SIG organised a session at the RSPSoc 2005 Annual Conference in conjunction with ISPRS Working Group VIII.6 (Coastal Zones Management, Ocean Colour and Ocean State Forecasting). Prof. Jan-Peter Muller gave an inspiring keynote lecture on the "The potential of spaceborne monitoring of tsunami characteristics and their impact on coastal regions: lessons learnt from the Boxing Day Indian Ocean tsunami". Further linkages will occur this forthcoming September when I will jointly run a coastal remote sensing workshop prior to the ISPRS Technical Commission VIII Mid-Congress Symposium (4-7 September 2006). The plans for 2007 are to have a spring meeting and session at the RSPSoc 2007 Annual Conference.

Samantha Lavender

### **SAR SIG**

The Sarsig has been relatively inactive over the last few years and has been struggling to find a role for itself, despite the fact that SAR data is still at the cutting edge of remote sensing technology. Recent developments in InSAR and GNSS-R, the launch of ALOS and the imminent launches of TerraSAR-X and Radarsat-2 make this an exciting time for those of us working with this data.

At the RSPSoc 2005 Annual conference, it was agreed to revive the Sarsig in an attempt to support the community as a whole. The SAR community is however a 'broad church', and it has been difficult to find opportunities to bring people together, especially since some major workshops in GNSS-R and InSAR have been held outwith the Society during this period. It was also agreed to pursue a Sarsig session at RSPSoc 2006 to 'kick-off' the group and to discuss topics for future meetings with members, although this has yet to be confirmed. In the meantime, we have provided information and updates to the RSPSoc Council to reflect the new focus and management.

Andrew Sowter and Steve Hobbs

## **Annex 1 - Council Membership at the End of the Reporting Period, 31<sup>st</sup> March 2006**

### **EX-OFFICIO (TRUSTEES)**

Dr S Marsh\*  
(British Geological Survey)  
Chairman

Dr P J Mason \*  
(HME Partnership)  
Hon. Gen. Secretary

Dr P Aplin \*  
(University of Nottingham)  
Vice-Chairman

Mr R Taft FRSPSoc \*  
(Leica Geosystems Limited)  
Hon. Treasurer

### **ELECTED MEMBERS (TRUSTEES)**

Dr M Cutler  
(University of Dundee)

Mr J Shears  
(Infoterra)

Dr J Drummond  
(University of Glasgow)

Dr R Teeuw AFRSPSoc  
(University of Portsmouth)  
(RSPSoc2005 Organiser)

Dr D Holland  
(Ordnance Survey)

Dr T Wicks  
(Ordnance Survey)

Mr A Koh  
(Bath Spa University College)

Dr M Williams  
(University of Newcastle upon Tyne)

Dr S Lavender  
SIG Coordinator  
(University of Plymouth)

Dr P Zukowskyj  
(University of Hertfordshire)

Mr J Norton  
(Leica Geosystems Limited)

### **IN ATTENDANCE**

Prof D Rhind  
President  
(City University)

Mr P Newby  
Editor of The Photogrammetric Record

Prof A Cracknell FRSPSoc  
Editor of the International Journal of Remote Sensing  
(University of Dundee)

Prof P Mather FRSPSoc  
Editor of the Newsletter  
(University of Nottingham)

Ms P Miller  
Student Representative  
(University of Newcastle)

Ms R Gaulton  
Student Representative  
(University of Edinburgh)

Dr K Anderson  
Webmaster  
(University of Exeter)

Dr B Devereux  
RSPSoc2006 Organiser  
(University of Cambridge)

(\* = RSPSoc Directors)

Dr F Khalid  
Webmaster  
(University of Greenwich)

Ms K Laughton  
Executive Secretary  
(RSPSoc Office)

## **Annex 2 - Committee Membership and Terms of Reference (November 2005 - March 2006)**

### **AWARDS AND PROFESSIONAL STANDARDS**

- To make timely recommendations for the awards and professional membership of the Society.

Jane Drummond (Convener)  
Dave Chapman  
Mark Cutler  
Toby Wicks

### **EDUCATION AND TRAINING**

- To develop, co-ordinate and carry out the Society's policies towards promoting awareness of remote sensing and photogrammetry among teachers and students at all levels
- To promote and co-ordinate cross-training and non-technical training among members
- To support, in the form of seedcorn grants or loans where appropriate, promising initiatives in remote sensing and photogrammetry

Alexander Koh (Convener)  
Alison Caldwell  
David Holland  
Paul Mason  
Clare Power  
Mike Turner  
Kevin White  
Meredith Williams  
Sandy Winterbottom  
Paul Zukowskyj

### **EXECUTIVE COMMITTEE**

- To advise the Chairman, Hon. Gen. Secretary and Executive Secretary on such day-to-day management, executive or administrative affairs as may be necessary. The quorum is three.

Stuart Marsh (Convener)  
Paul Aplin  
Karen Laughton (Executive Secretary, in attendance)  
Philippa Mason  
Robert Taft

### **EXTERNAL AFFAIRS**

- To review existing alliances
- To consider new alliances
- To liaise with other national and international organisations

Stuart Marsh (Convener)  
Maria Adams (BNSC)  
Paul Aplin  
Ian Downey  
Samantha Lavender  
Philippa Mason  
Susan Mecklenberg (NERC)  
Jon Shears

## **FINANCE**

- To advise the Treasurer on all aspects of the Society's Financial Affairs

Robert Taft (Convener)  
Paul Aplin  
Karen Laughton (Executive Secretary, in attendance)  
Philippa Mason  
Rosemary McCabe (in attendance)

## **MEMBERSHIP AND PUBLICITY**

- To promote and publicise the Remote Sensing and Photogrammetry Society and undertake any special project work determined by the Council of the Society
- Promoting membership
- To ensure that the services provided to members are appropriate and good value for money
- To provide relevant material for the RSPSoc Web site
- To monitor and analyse membership trends and recommend actions
- To provide a transcription service for meetings as determined by Council
- To provide brochures and publicity/promotional material as requested by Council
- To identify on an annual basis the events at which promotional material should be displayed and to ensure that display material is available
- To coordinate press releases on the work of the Society and provide a Spokesperson

Toby Wicks (Convener)  
Richard Goodman  
Julian Norton  
Matthew Stuttard  
Jon Shears

## **PUBLICATIONS**

- To be responsible for the editing and production of the Society's publications and ensure their technical quality.

Mark Cutler (Convener)  
Jim Chandler (Co-ordinator, IEB)  
Arthur Cracknell (Editor, IJRS)  
Karen Laughton (in attendance)  
Paul Mather (Newsletter Editor)  
Paul Newby (Editor, The Photogrammetric Record)  
Karen Anderson (Webmaster)  
Fakhar Khalid (Webmaster)

## **SPECIAL INTEREST GROUPS**

Sam Lavender (Convener)  
Chris Brooke (Archaeology)  
Kevin McLaren (NAPLIB)  
Peter North (MATSIG)  
Sarah Smith-Voysey and Doreen Boyd (LiDAR)  
Andrew Sowter and Stephen Hobbs (SAR)  
Richard Teeuw (Geology)  
Paul Zukowskyj and Heiko Balzter (Vegetation)

## **SPECIAL PROJECTS**

- To organise special projects and functions as determined by the Council of the Society

Paul Aplin (Convener)

## **TECHNICAL PROGRAMME**

- To advise the Technical Programme Committee Chairmen on the content of the Society's meetings Calendar
- To encourage remote sensing and photogrammetry related meetings with other societies and professional bodies

### **Core Members:**

Meredith Williams (Convener)

Paul Aplin

Jane Drummond

Samantha Lavender (SIG Convener)

Julian Norton

Richard Teeuw

### **Advisory Members:**

Paul Bryan

James Kavanagh (RICS Liaison)

Stuart Marsh

Jon Shears

Bernard Devereux (RSPSoc2006 Liaison)

## **Annex 3 – Accounts**



















## Annex 4 - Special Interest Groups (SIGS)

Membership of the SIGs is open to all RSPSoc Members. For details of SIG activities please contact the Convener as listed below.

### Archaeology

Chris Brooke  
Department of History  
University of Nottingham  
Nottingham, NG7 2RD

Tel: +44 (0) 1636 812607  
Email: [Chris.Brooke@nottingham.ac.uk](mailto:Chris.Brooke@nottingham.ac.uk)  
<http://www.nottingham.ac.uk/~ahzcb/brooke.html>

### GRSG

Richard Teeuw  
School of Earth and Environmental Sciences  
Burnaby Building, Burnaby Road  
Portsmouth, PO1 3QL

Tel: (023) 9284 2267  
Fax: (023) 9284 2244  
Email: [richard.teeuw@port.ac.uk](mailto:richard.teeuw@port.ac.uk)  
WWW: <http://www.grsg.org>

### Models and Advanced Techniques

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Department of Geography  
University of Wales Swansea  
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Swansea, SA2 8PP

Tel: 01792 295234  
Fax: 01792 295955  
Email: [P.R.J.North@Swansea.ac.uk](mailto:P.R.J.North@Swansea.ac.uk)  
[http://www.the-rss.org/mat\\_sig.htm#start](http://www.the-rss.org/mat_sig.htm#start)

### NAPLIB

Kevin McLaren  
Royal Commission on the Ancient and Historical Monuments of  
Scotland  
John Sinclair House  
16 Bernard Terrace  
Edinburgh EH8 9NX  
Tel: 0131 662 1456  
Fax: 0131 662 1477  
Email: [kevinm@rcahms.gov.uk](mailto:kevinm@rcahms.gov.uk)  
<http://www.naplib.org.uk>

### Ocean Colour

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Fax: +44 (0) 1752 232406  
Email: [s.lavender@plymouth.ac.uk](mailto:s.lavender@plymouth.ac.uk)  
[http://www.research.plymouth.ac.uk/geomatics/csms\\_ocolour/](http://www.research.plymouth.ac.uk/geomatics/csms_ocolour/)

**Synthetic  
Aperture Radar  
(SAR)**

Andrew Sowter <sup>1</sup> and Stephen Hobbs <sup>2</sup>  
<sup>1</sup> University of Nottingham  
University Park  
Nottingham NG7 2RD

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Fax: +44 (0) 115 9513881  
Email: [Andrew.Sowter@nottingham.ac.uk](mailto:Andrew.Sowter@nottingham.ac.uk)

<sup>2</sup> Space Systems Applications Group  
Department of Aerospace Science  
College of Aeronautics  
Cranfield University, Cranfield  
Bedfordshire  
MK43 OAL, UK

**Laser Scanning  
and LiDAR**

Sarah Smith-Voysey and Doreen Boyd  
Ordnance Survey  
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Southampton, SO16 4GU  
UK

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Fax: +44 (0) 23 8079 2472  
Email: [Sarah.Smith-Voysey@ordnancesurvey.co.uk](mailto:Sarah.Smith-Voysey@ordnancesurvey.co.uk)  
Email: [Doreen.Boyd@ordnancesurvey.co.uk](mailto:Doreen.Boyd@ordnancesurvey.co.uk)

**Vegetation**

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Division of Geography and Environmental Sciences  
The University of Hertfordshire  
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Fax: +44 (0) 1707 285046  
Email: [p.m.zukowskyj@herts.ac.uk](mailto:p.m.zukowskyj@herts.ac.uk)

## **Annex 5 - Professional Members - FRSPSoc, AFRSPSoc and Honorary Members**

### **FRSPSoc**

JA Allan  
HJP Arnold  
P Atkinson  
SMJ Baban  
JC Boardman  
G Brachet  
CDR Chan  
ME Cheatle  
AJ Chen  
RR Clemons  
M Clowes  
S Connor  
A P Cracknell  
P Curran  
G Davison  
MJ Duggin  
A Falconer  
AJ Fox  
P Goldsmith  
P Gudmandsen  
DD Hardy  
A Hart  
S I Hay  
C Hean-Teik  
LA Hisscott  
Sir J Houghton  
J Jacob  
RB King  
R Littleworth  
A Macdonald  
WM McKay  
PM Mather  
CW Mitchell  
K Muirhead  
C Nicklin  
WR Philipson  
C Power  
R Read  
H Ripley  
J Sach  
RAG Savigear  
J Shears  
R Stanbridge  
M Stuttard  
RJ Taft  
IL Thomas  
AM Thriscutt  
BJ Topliss  
S L Ustin  
JL van Genderen  
RA Vaughan  
G Vincent  
BV Vinogradov  
DA Wallis

B Wannamaker  
EHF Wickens  
S Wilson  
AC Woodfine  
GG Wright  
JAT Young  
K Young-Seup

### **AFRSPSoc**

MJ Barnsley  
AS Belward  
RC Benson  
FH Berger  
AC Bird  
RV Birnie  
M Bolt  
K Bowden  
DW Braggins  
CJ Brooke  
JG Campbell  
RF Cheeney  
P Churchill  
AR Condal  
AC Cook  
T Cope Bowley  
MP Croucher  
ST Culshaw  
G C Deane  
DNM Donoghue  
TD Douglas  
IJ Dowman  
I Downey  
G Duncan  
HP Durham  
P Eales  
NDJ Edmead  
M Ehlers  
JP Elder  
H Epp  
R Evans  
P Excell  
D G Fearn  
JW Finch  
PA Fletcher  
GM Foody  
PG Foschi  
MJF Fowler  
A Freeman  
A Georgopoulos  
GH Griffiths  
GB Groom  
MR Guy  
MJ Harris  
AR Harrison  
FM Henderson

DS Hetherington  
DBL Hibbert  
K Hilton  
JC Hinton  
JB Hockey  
DH Hoekman  
RFE Jones  
A R Jones  
N Kamiya  
C Kidd  
RP Kirby  
K Kloster  
K Kraus  
J Kupiec  
P Lakin  
G La Loggia  
MH Lawrence  
VV Lawrence  
SE Lee  
H Lee  
GA Leshkevich  
RG Lloyd  
R MacDonald  
TJ Malthus  
RA McLaren  
J McMorrow  
LM Martucci  
JR Milford  
G Miliareisis  
AC Millington  
EJ Milton  
PL Mitchell  
EG Mitchelson-Jacob  
R Monk  
CM Mould  
T Moore  
J-PAL Muller  
KJ Murray  
PJ Naylor  
JE Nichol  
T Nishidai  
DG Noble  
P Norris  
JW Norton  
AG Nwosu  
K Ouchi  
E Peccol  
J Pender  
G Petrie  
B Pfeiffer  
BF Plummer  
S Plummer  
MR Pooley  
M Y Qari  
S Quegan  
WG Rees  
A Riaza  
CP Richardson  
S Ringrose  
AD Robinson

FJ Rodriquez  
H Rott  
RJS Rowe  
C Sailer  
HA Schok  
DS Schwartz  
RF Scott  
GM Shaw  
MR Shortis  
P Simpson  
A Smart  
G Souza  
PA Stein  
MD Steven  
RJ Sweet  
DA Tait  
S Tanaka  
JC Taylor  
RM Teeuw  
LD Thomas  
AE Todd  
N Trodd  
M Tsakiri-Strati  
G Twentyman  
C Ulivieri  
JW van Maren  
PJ Vickery  
RM Walpole  
RM Warwick Smith  
MJC Weir  
TC Welsh  
K White  
K Whitehead  
A Wielogorski  
GG Wilkinson  
RGB Williams  
AK Wilson  
M Wolf  
PL Woodworth  
D Wright  
R Wright  
LR Wyatt  
Y Xue  
K Yoshino

### **Honorary Members**

F Ackermann  
JA Allan FRSPSoc  
KB Atkinson  
G Brachet FRSPSoc  
V Brown  
CD Burnside  
JB Case  
MAR Cooper  
AP Cracknell FRSPSoc  
P Curran FRSPSoc  
G Davison FRSPSoc  
IJ Dowman AFRSPSoc  
FJ Doyle

G Ducher  
JE Farrow  
CS Fraser  
JWC Gates  
P Goldsmith FRSPSoc  
P Gudmandsen FRSPSoc  
DD Hardy FRSPSoc  
Sir John Houghton FRSPSoc  
IA Harley AFRSPSoc  
J Kelsey  
AS Macdonald  
PM Mather FRSPSoc  
HK Meier  
CW Mitchell FRSPSoc  
I Newton  
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