



World's Poultry Science Association (UK Branch)

Annual Meeting

31 March - 1 April 2009

Programme and Application Form

The Lakeside Suite

Southport Theatre and Convention Centre

Please read these notes before completing application form

APPLICATIONS One per delegate please. Application form, accompanied by the appropriate payment to be sent to the BSAS Office. A confirmation including receipt will be issued to all delegates.

CONFERENCE FEE The WPSA Conference registration fee includes the WPSA Proceedings and attendance at all WPSA sessions including the joint WPSA/BSAS Session. Application forms for the discounted rate must be received by 28 February. All authors must register by 14 February. Failure to register by this date may result in the abstract being withdrawn from the programme and not being published in the proceedings.

Students A special low rate conference fee is offered to WPSA Students only.

BSAS Conference

If WPSA delegates wish to attend the BSAS Conference on Monday, including particular sessions on Tuesday or Wednesday outwith the WPSA Conference, then they may do so by registering as a one day BSAS delegate. Please note that both BSAS and WPSA delegates are invited to attend the joint session on Wednesday.

WPSA delegates are invited to attend the BSAS Hammond Memorial Lecture in the Floral Hall at 09:00 hours on Tuesday 31 March and BSAS delegates are invited to attend the WPSA Gordon Memorial Lecture on Tuesday in the Lakeside Suite at 17:30 hours.

ACCOMMODATION Delegates are asked to complete a brief form at registration confirming their accommodation in Southport. This in turn will be given to Southport Conference & Tourism Office, as proof of delegates staying in Southport so that the WPSA and BSAS gets FREE hire charge for the Southport Theatre and Convention Centre and thus are able to keep the conference fee down. To book on-line or view hotels available please go to the BSAS website and click on the link under Accommodation http://www.bsas.org.uk/Meetings_&_Workshops/ You can also book through the Southport Tourist and Information Centre on 01704 533333. WPSA recommended hotel is the Royal Clifton, The Promenade, Southport.

MEALS The WPSA Conference Dinner and lunch are booked separately as indicated on the application form. *Please inform us if you require vegetarian or other specialised meal.*

TUESDAY EVENING

WPSA Conference Dinner is at the Royal Clifton Hotel at 20:00 hours. The cost of the dinner is £25.00 as indicated on the application form.

After the WPSA Conference Dinner, delegates are welcome to join the BSAS delegates on Tuesday evening in the Floral Hall of the Southport Theatre and Convention Centre.

MONDAY EVENING

BSAS Conference Dinner WPSA delegates are welcome to join BSAS on Monday evening at the Conference Dinner at the Southport Theatre and Convention Centre. Cost of the dinner is £36.00 as indicated on the application form.

PAYMENT We accept payment using the following credit cards: Visa (credit and debit), Mastercard and Switch or you may prefer to pay by cheque, made payable to **BSAS**. Electron and Maestro cards are not accepted. **Overseas Delegates** - Please make your payment in £ sterling.

CANCELLATION 30 days prior to the conference: 75% refund.
Within 30 days of the conference: No refund

CAR PARKING There is limited parking at some of the Hotels – please check with the hotel direct.

WPSA SUBSCRIPTION Non - WPSA members may join WPSA (UK Branch), as indicated on the application form and therefore take advantage of the reduced conference fee rate.

We look forward to welcoming you at Southport

WPSA c/o BSAS, PO Box 3, Penicuik, Midlothian, EH26 0RZ, UK

Tel: +44 (0)131 445 4508 Fax: +44 (0) 131 535 3120

Email: bsas@sac.ac.uk <http://www.bsas.org.uk>

WPSA ANNUAL MEETING APPLICATION FORM

Southport Theatre and Convention Centre

31 March-1 April 2009

Name (Prof/Dr/Mr/Mrs/Miss/Ms) First NameSurname.....

Address BLOCK

.....CAPITALS

ORGANISATION (for lapel badge)PLEASE

Telephone No..... Fax No..... Email.....

WPSA CONFERENCE FEE - TUES/WEDNESDAY	BSAS CONFERENCE FEE - MONDAY																																	
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">On or before</td> <td style="width: 20%;">member</td> <td style="width: 10%;">£ 90</td> <td style="width: 10%;"><input type="checkbox"/></td> </tr> <tr> <td>28 February 2009</td> <td>Non-member</td> <td>£ 130</td> <td><input type="checkbox"/></td> </tr> <tr> <td>On or after</td> <td>member</td> <td>£ 100</td> <td><input type="checkbox"/></td> </tr> <tr> <td>1 March 2009</td> <td>Non-member</td> <td>£ 140</td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="2">WPSA student members on or before 28 February 2009</td> <td>£ 60</td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="2">Are you a student from a developing country?</td> <td></td> <td><input type="checkbox"/></td> </tr> </table>	On or before	member	£ 90	<input type="checkbox"/>	28 February 2009	Non-member	£ 130	<input type="checkbox"/>	On or after	member	£ 100	<input type="checkbox"/>	1 March 2009	Non-member	£ 140	<input type="checkbox"/>	WPSA student members on or before 28 February 2009		£ 60	<input type="checkbox"/>	Are you a student from a developing country?			<input type="checkbox"/>	<p><i>Includes proceedings, tea & coffee + one day conference fee for BSAS</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td>BSAS Member</td> <td>£100</td> <td><input type="checkbox"/></td> </tr> <tr> <td>BSAS Non-member</td> <td>£130</td> <td><input type="checkbox"/></td> </tr> <tr> <td>BSAS Student or Retired Member</td> <td>£ 50</td> <td><input type="checkbox"/></td> </tr> </table>	BSAS Member	£100	<input type="checkbox"/>	BSAS Non-member	£130	<input type="checkbox"/>	BSAS Student or Retired Member	£ 50	<input type="checkbox"/>
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<p>SUBSCRIPTIONS AND PROCEEDINGS</p> <p>I would like to become a member of WPSA (for further details visit www.wpsa-uk.com)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Individual membership £25</td> <td style="width: 10%;"><input type="checkbox"/></td> <td style="width: 20%;"></td> </tr> <tr> <td>Student membership £10</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>Additional copy of WPSA Proceedings @ £50</td> <td><input type="checkbox"/></td> <td></td> </tr> </table>		Individual membership £25	<input type="checkbox"/>		Student membership £10	<input type="checkbox"/>		Additional copy of WPSA Proceedings @ £50	<input type="checkbox"/>																									
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 Name of Credit card holder (block capitals) _____

Please pay by **credit card or cheque** and return application form to **Secretary, BSAS, PO Box 3, Penicuik, Midlothian, EH26 ORZ, UK**

Tel: 0131 445 4508 Fax: 0131 535 3120 Email: bsas@sac.ac.uk **TOTAL REMITTANCE** £

(cheques made payable to BSAS)

WPSA (UK Branch) ANNUAL MEETING

31st March/1st April 2009

Lakeside Theatre and Floral Hall Complex Southport

Tuesday 31st March 2009

Theatre and Floral Hall Complex

09:00 **Hammond Memorial Lecture.** *Chairman Prof Jamie Newbold*

Milk and meat in our diet: Good or bad for health and wealth?

Prof Ian Givens, University of Reading

10.50 **OPENING WPSA ANNUAL MEETING**

Nutrition: Original communications

Chairman Aaron Cowieson

11:00 B. MANSOORI, M. MODIRSANEI, M.M. KIAEI *Department of Animal and Poultry and Nutrition, Faculty of Veterinary Medicine, University of Tehran, P.O.Box 14155-6453, Theran, I.R. Iran* Influence of nutritionally adequate or deficient diets supplemented with *Saccharomyces cerevisiae* culture on the performance parameters of table egg laying hen and quality of produced eggs

11:15 M.E.E. McCANN,^{1,2} J. GEORGE¹, D.J. KILPATRICK¹ ¹*Agri-Food and Biosciences Institute and* ²*Queen's University Belfast, Newforge Lane, Belfast, BT9 5PX* The effect of duration and method of storage of wheat on broiler performance and apparent metabolisable energy

11:30 L. GRIFFITHS¹, M.E.E. MCCANN^{1,2} ¹*The Queen's University of Belfast, School of Biological Sciences and* ²*Agriculture, Food and Environmental Science Division, Agri-Food and Biosciences Institute, Newforge Lane, Belfast BT9 5PX, Northern Ireland* The effect of dietary glycerol inclusion on broiler performance and apparent metabolisable energy concentration

11:45 H.V. MASEY O'NEILL, J. WISEMAN *Department of Animal Science, School of Biosciences, University of Nottingham, Sutton Bonington Campus, LE12 5RD UK* The effect of drying regime on the starch digestibility of wheat for broilers

12:00 M.W. MIRZA, T. ACAMOVIC, N.H.C. SPARKS *ASRC, SAC, West Mains Road, Edinburgh EH9 3JG, Scotland* The effect of nutrient dilution in turkey diets on water intake and excretion

12:15 M.W.C.D. PALLIYEGURU, S.P. ROSE, A.M. MACKENZIE *Harper Adams University College, Newport, Shropshire, TF10 8NB, UK* Effect of dietary protein digestibility on the incidence of sub-clinical necrotic enteritis in broiler flocks

12:30 Lunch

13:30 **Joint WPSA/BSAS Session:**

'Conflicts between consumer requirements and food security'

Chairman: To be confirmed

13:30 To be confirmed

14:00 Tony Bell, BOCM PAULS Ltd 'Sustainability of global raw material supplies to meet UK consumer demands'

14:30 Hadden Graham, AB Vista 'Role of feed additives in meeting consumer demands'

15:00 Tea

- 15:30 **Nutrition: Original communications** *Chairman Kelvin McCracken*
- 15:30 F. M. KHATTAK¹, T. ACAMOVIC¹, A.J.COWIESON² ¹*Avian Science Research Centre, Scottish Agricultural College, West Mains Road, Edinburgh EH9 3JG and* ²*Danisco Animal Nutrition, Marlborough, Wiltshire, UK.* The response of chicks, with prior exposure to low and high phytate diets, when subsequently fed diets supplemented with phytase and phytate
- 15:45 A. SAFAMEHR,^{*1} N. AGHAEI,² Y. MEHMANNVAZ¹, ^{1*}*Department of Animal Science, Maragheh Branch, Islamic Azad University, P.O. Box 345, Maragheh-Iran.* ²*Namatollah, Agaei, MSc, Khashavazi Bank, Iran* The influence of different levels of dietary fish oil on the performance and biochemical parameters of broiler chickens
- 16:00 S. N. MOUSAVI¹, F. ARAB BAGHI², M. SHIVAZAD³, H. GHAHRI² AND F. FOROUDI¹
¹*Department of Animal Science, College of Agriculture, Varamin Branch, Islamic University, Varamin, Iran,* ²*Orumia Branch, Islamic Azad University, Orumia, Iran,* ³*Department of Animal Science, University of Tehran, Karaj, Iran* The effects of *in ovo* feeding of threonine and carbohydrates on growth performance of broiler chickens
- 16:15 S.E. SAVVIDOU¹, J.D. BEAL¹, P.H. BROOKS¹, R.M. LA RAGIONE² ¹*University of Plymouth, School of Biological Sciences, Plymouth, Devon, PL4 8AA, United Kingdom and* ²*Veterinary Laboratory Agency (VLA), New Haw, Addlestone, Surrey, KT15 3NB, United Kingdom* Liquid feed fermented with *Lactobacillus salivarius* reduces susceptibility of broiler chickens to *Salmonella enterica typhimurium* Sal 1344 nal^r
- 16:30 C. RYMER, D.I.GIVENS *Animal Science Research Group, School of Agriculture, Policy and Development, University of Reading, PO Box 237, Reading, UK.* The effect of feeding stearidonic acid enriched soya oil to broilers on the fatty acid composition and sensory characteristics of chicken meat

Behaviour and welfare : Original communications *Chairman Paul Hocking*

- 16:45 J.A. HOWIE¹, B.J. TOLKAMP¹, S. AVENDANO², I. KYRIAZAKIS³ ¹*SAC, West Mains Road, Edinburgh, EH9 3JG,* ²*Aviagen, Newbridge, Midlothian, EH28 8SZ and* ³*Veterinary Faculty, University of Thessaly, Karditsa, Greece* Intensive selection for growth in broilers has not altered normal feeding behaviour
- 17:00 V.SANDILANDS¹, L. BAKER¹, S. BROCKLEHURST ¹*Avian Science Research Centre, SAC, West Mains Road, Edinburgh, EH9 3JG, UK* ²*Biomathematics & Statistics Scotland, Kings Buildings, Mayfield Road, Edinburgh, EH9 3JZ, UK* The reaction of brown and white strains of hens to enriched cages

GORDON MEMORIAL LECTURE

- 17:30 Prof. Richard C. Jones, *University of Liverpool.* 'Viral respiratory diseases : are they ever under control?'
- 18:30 Gordon Memorial Reception – Poster area, Floral Hall
- 20:00 **WPSA ANNUAL DINNER** - The Royal Clifton Hotel

Wednesday 1 April 2009

- 08:30 **WPSA (UK Branch) AGM**
- 09:00 **Immunology and disease : Original Communications** *Chairman Steve Lister*
- 09:00 K. WU, P.M. HOCKING *The Roslin Institute and Royal (Dick) School of Veterinary Studies, University of Edinburgh, Roslin, Midlothian, EH265 9PS* Effects of age of bird and litter moisture on foot pad dermatitis in turkeys

- 09:15 T.J. SMITH, D.R. GEORGE, O.A.E. SPARAGANO, C. SEAL, R.S. SHIEL, J.H. GUY. *School of Agriculture, Food and Rural Development, Newcastle University, Newcastle upon Tyne, NE1 7RU, UK*
The influence of thyme and pennyroyal essential oils, found to be effective as acaricides against the poultry red mite (*Dermanyssus gallinae*), on occurrence of taint in hens' eggs
- 09:30 M. NATH¹, S.C. BISHOP² ¹*Biomathematics and Statistics Scotland, The King's Buildings, Edinburgh, EH9 3JZ, United Kingdom and* ²*Roslin Institute and Royal (Dick) School of Veterinary Studies, Roslin BioCentre, Midlothian, EH25 9PS, United Kingdom*
A genetic-epidemiological model for Marek's Disease in Poultry

Short oral introductions to a selection of the poster presentations *Chairman: Tom Acamovic*

- 09:45 Approximately 15 posters at 3 minute intervals. The proposed list are identified in the list of poster presentations at the end of the programme with an *

10:30 **Coffee and Poster viewing. Authors in attendance**

11:15 **Industry session**

Chairman: Patrick Garland

- 11:15 Louise Manning, LJM Associates Ltd 'Water as a nutrient or a key performance indicator'

- 11:45 Wiebke Icken, Lohmann Tierzucht GmbH 'New techniques to select laying hens for alternative systems'

12:15 **Original Communications: Physiology and genetics** *Chairman Vicky Sandilands*

- 12:15 B.K. PODISI¹, S. KNOTT², I.C. DUNN¹, A.S. LAW¹, D.W. BURT, P.M. HOCKING¹
¹*The Roslin Institute and Royal (Dick) School of Veterinary Studies Roslin, Midlothian EH25 9PS and* ²*Institute of Evolutionary Biology, University of Edinburgh, West Mains Road, Edinburgh EH9 3JT, Scotland.* Analysis of quantitative trait loci for age and weight at the onset of lay in a broiler x layer cross

- 12:30 M.M. BAIN, K. MCDADE, M.SCHMUTZ¹, R. PREISINGER¹, D. WADDINGTON², I.C. DUNN²
University of Glasgow, Faculty of Veterinary Medicine, Glasgow G61 1QH, Scotland, ¹*Lohmann Tierzucht, P.O. Box 4602, 7454 Cuxhaven, Germany,* ²*Roslin Institute and Royal (Dick) School of Veterinary Studies, Roslin, Midlothian EH25 9PS, Scotland.* The deposition of the cuticle on laying hens eggs is a moderately heritable trait

- 12:45 A. EBADI-TABRIZI¹, A. NEJATI-JAVAREMI², R. SHABANI¹, M. MEHRI³ ¹*University of Payam Nour, Kish Unit, Bandar Abbas, Iran,* ²*University of Tehran, Natural Resources and Agricultural campus, Karaj, Iran AND* ³*University of Payam Nour, Qeshm Unit, Bandar Abbas, Iran* Variance component estimation of clutch traits of Iranian native fowl

- 13:00 A.WOLC^{1,2}, I.M.S. WHITE², M. LISOWSKI³, W.G. HILL² ¹*Poznan University of Life Sciences, Department of Genetics and Animal Breeding, Poland,* ² *University of Edinburgh, Institute of Evolutionary Biology, UK,* ³ *National Research Institute of Animal Production, Poultry Research Branch at Zakrzewo, Poland* What contributes to differences in phenotypic variation between generations?

- 13:15 **Presentation of President's prizes**
Close of meeting

Poster Presentations

Presentations displayed in the Poster area from 10am 31st March to 11.15 am 1st April.

* designates participation in the short oral session

1. * H.K. DEI, S. ABU-JAJA, A. MAHAMA, E.O.OTCHERE, A. AGBOLOSU, E. FREY Processed Mucuna beans: a promising non-conventional feedstuff for broiler chickens
2. *A.O. FAFIOLU, O.O. ODUGUWA, A.M. BAMGBOSE, A. O. FANIMO, A.V. JEGEDE. O.M.O. IDOWU Enzyme (Rovabio®) in diets containing undecorticated sunflower seed meal for broiler starters
3. A. V. JEGEDE, O. O. ODUGUWA, A. M. BAMGBOSE, A. O. FANIMO, A. O. FAFIOLU Growth response of finishing broilers fed diets supplemented with organic and inorganic copper
4. * D. GONG, J. KALINA, M.M. BAIN, P.W. WILSON, I.C. DUNN Gallin; a new antimicrobial peptide from egg white
5. I.C. DUNN, P.W. WILSON, Z. LU, M.M. BAIN, C.L. CROSSAN, R.T. TALBOT, D. WADDINGTON Genes up-regulated in the mature shell gland and their possible functions.
6. J. GEORGE, M.E.E. McCANN The effect of storage conditions and storage period on the chemical and physical parameters of wheat
7. H.V. MASEY O'NEILL, J. WISEMAN The effect of dietary protein provision on starch digestibility for broilers
8. * V. PIRGOZLIEV, T. ACAMOVIC, M. R. BEDFORD The effect of supplemental dietary nucleotides when fed to young chickens, on performance and nutrient utilisation
9. V. PIRGOZLIEV, T. ACAMOVIC, M. R. BEDFORD The effect of microbial phytase on dietary energy, N and mineral metabolism when maize-soya bean diets are fed to laying hens
10. *M.ELRAGHIG, J. WISEMAN Ileal and total tract starch digestibility for broilers of wheat varying in hardness classification
11. * D. HARRINGTON, H. MOHI EL DIN, J. GUY, K. ROBINSON, O. SPARAGANO Characterisation of the immune response in laying hens vaccinated with somatic antigens from *Dermanyssus gallinae*
12. * L.M. DIXON, I.J.H. DUNCAN, G.J. MASON Using movement to determine motivation: a comparison of the motor patterns involved in feather pecking, dustbathing and foraging
13. * M.D. SCOTT , M.E.E. McCANN The effect of feed additives, wheat variety and feed form on nutrient retention and digestibility in laying hens
14. F. M. KHATTAK, T. ACAMOVIC, J. R. SCAIFE Effects of low glucosinolate full-fat rapeseed, marine oil and α -tocopherol acetate on dietary apparent metabolisable energy and dry matter digestibility for broilers
15. F. M. KHATTAK, T. ACAMOVIC, J. R. SCAIFE The effect of pre-treatment or supplementation of rapeseed meal and full-fat rapeseed diets with enzymes on broiler performance
16. BSAS 265 Farhangfar Homayoun, Rowlinson Peter, Navidzadeh Mohammad Ebrahim, Mirzaei R.A., FathiNasri Mohammad Hassan, Lotfi Noghabi Reza Bayesian estimation of posterior means of heritability for weight at week 8 in Iranian indigenous chickens using an animal model
17. BSAS 266 Zaghari Mojtaba, Taherkhani Reza, Honarbakhsh Shirin Effects of acute progesterone injection on performance, plasma hormones and ovarian morphology of feed-satiated and fed restricted broiler breeder hens
18. BSAS 267 Ziaie H, Karimi TMA, Bashtani M, Farhangfar H, Rowlinson P, Zeinali A Effect of medicinal plants and organic acid on growth performance of Ross broilers
19. BSAS 268 Hesabinameghi Alireza Effects of vitamin E and C supplementation on performance and immune response of broiler chicks
20. BSAS 269 Mirhosseini Seyed Ziaeddin, Seidavi Alireza, Shivazad Mahmoud, Chamani Mohammad, Sadeghi Ali Asghar, Pourseify Reza Application of a duplex PCR approach for the specific and simultaneous detection of *Bifidobacterium spp.* and *lactobacillus spp.* in duodenum, jejunum, ileum and cecum of broilers

21. BSAS 270 Seidavi Alireza Investigation on relative population of Salmonella spp. bacteria in duodenum, jejunum, ileum and cecum of poultry using densitometry technique
22. * BSAS 271 Seidavi Alireza, Mirhosseini Seyed Ziaeddin, Shivazad Mahmoud, Chamani Mohammad, Sadeghi Ali Asghar, Pourseify Reza Relative frequency alteration of *Escherichia coli* in broiler intestine
23. BSAS 272 Nassiri Moghaddam Hassan, Hassanabadi Ahmad, Alizadeh Ghamsari Amir Effects of dietary phytase, calcium and phosphorus levels on performance, and nutrient utilization in male broiler chickens
24. * BSAS 273 Gaykani Ruhollah, Zaghari Mojtaba, Shivazad Mahmood Effects of different levels of canola meal on egg quality
25. BSAS 274 Shirzadi Hassan, Moravej Hossein, Shivazad Mahmoud Comparison of the effects of different kinds of NSP enzymes on the performance, litter moisture and jejunal digesta viscosity of broilers fed barley-based diet
26. * BSAS 275 Ahmadi Hamed, Golian Abolghasem Modelling and optimising early performance for broiler chicks
27. BSAS 276 Hashemzadeh Zobeideh, Karimi Torshizi Mohammad Amir, Rahimi Shaban Effect of various *Lactobaccillus* administration methods in hatchery on serum cholesterol levels of broiler
28. BSAS 277 Hashemzadeh Zobeideh, Karimi Torshizi Mohammad Amir, Rahimi Shaban, Zahraei Salehi Taghi Comparison of various methods of probiotic administration in hatchery against *Salmonella* infection in broiler
29. BSAS 278 Hosseini Vashan Seyed Javad, Afzali Nazar, Golian Abolghasem, Malekaneh Mohammad, Allahressani Modifying egg fatty acids content with supplementation of palm olein oil (POO) in laying hen diet
30. BSAS 279 Ghazi Khani Shad Ali, Nejati Javaremi Ardeshir, Mehrabani Yeganeh Hassan Analysis of inbreeding, effective population size and inbreeding depression in Iranian Native Fowls (Mazandaran Province)
31. BSAS 280 Ghofrani Ivary Yaser, Shariatmadari Farid, Karimi Torshizi Mohammad Amir, Armin Fatemeh Evaluation the effect of fat and antioxidant on immune response of broiler chickens reared under heat stress
32. BSAS 281 Mahdavi Ali, Hosseini Sayed Abdollah, Mohiti Asl Maziyar, Lotfolahiyan Houshang, Aghashahi Alireza, Hosseini Sayed Hadi, Mirabdolbaghi Jaleh, Alemi Fatemeh White mulberry (*Morus alba*) fruits waste and its use in broiler nutrition
33. BSAS 282 Salari Somayyeh, Nassiri Moghadam Hasan, Arshami javad, Golyan Abolghasem, Sari Mohsen Effect of various levels of full-fat sunflower seed on performance of broiler chickens
34. BSAS 283 Salari Somayyeh, Nassiri Moghadam Hasan, Arshami Javad, Golyan Abolghasem, Sari Mohsen Determination of apparent metabolizable energy of full-fat sunflower seed in broiler chickens
35. BSAS 284 Anjum Muhammad Safdar, Chaudhry Abdul Shakoore, Virk Muhammad Riaz Growth performance of broilers consuming wheat or barley based diets with or without enzyme
36. * BSAS 285 Sharifi Seyed Davood, Tavazoe Ehsan, Khadem Ali Akbar, Barin Abbas Effects of antibiotic and probiotic supplementation to diets containing fat on broiler performance
37. BSAS 286 Sharifi Seyed Davood, Khorsandi Saeedeh, Khadem Ali Akbar, Salehi Abdolreza Can medicinal plants with antimicrobial properties be replacement for antibiotics in broiler production?
38. BSAS 287 Sharifi Seyed Davood, Hashemi Chelavi Nargess Effects of enzyme and probiotic supplementation to diets containing wheat on broiler performance
39. BSAS 288 Alemi Fatemeh, Shivazad Mahmoud, Zaghari Mojtaba, Moravej Hossein, Mahdavi Ali, Hosseini Sayed Abdollah, Mahdavi Ala Effect of different digestible lysine levels on performance, and blood parameters of broilers in starter period
40. BSAS 289 Safamehr Alireza, Nobakht Ali The effects of dietary electrolyte balance on the performance and eggshell quality of laying hens exposed to heat-stress environment in late laying period
41. BSAS 290 Alemi Fatemeh, Shivazad Mahmoud, Zaghari Mojtaba, Moravej Hossein, Mahdavi Ali, Hosseini Sayed Abdollah, Mahdavi Ala Dietary digestible lysine effects on growth and immune response of male and female broilers in starter period

42. BSAS 291 Amirdahri Saeid, Janmohammadi Hossein, Taghizadeh Akbar, Rafat Abbas Effect of prebiotic(Fermacto) on performance of broiler chicks in low protein diets
43. BSAS 292 Amirdahri Saeid, Janmohammadi Hossein, Taghizadeh Akbar, Estakhri Rassul, Rafat Abbas Effect of prebiotic(Fermacto) on lipid profile of broiler chicks
44. BSAS 293 Nouri Emamzadeh Ali, Yaghobfar Akbar Comparison of digestibility coefficients of amino acids in canola meal between intact and caeectomised adult cockerels
45. * BSAS 294 Ofongo Seimiyenkumo Taria, Kehraus Saskia, Iyayi Eustace Ayemere, Sndekum Karl-Heinz Ileal crude protein digestibility, caecal crude protein retention and digesta viscosity in broilers fed enzyme supplemented rice husk
46. * BSAS 295 Hanieh Hamza, Kondo Yasuhiro, Abe Asaki Immunomodulatory effects of dietary Allium cepa in chicken after immunization
47. BSAS 296 Janmohammadi Hossein, Taghizadeh Akbar, Moghadam Gholam Ali, Pirani Nasrollah, Ostan Shahin, Sahraei Mahmmud Nutritive value of poultry by-product meal from Iran in broilerfeeding
48. BSAS 297 Mousavi Sayed Naser, Nadalian Mehdi, Lotfollahian Hooshang, Noori Mohsen Effects of addition of Natuzyme to broiler diets containing different levels of canola meal
49. BSAS 298 Hajati Hosna, Rezaei Mansour, Sayyahzadeh Hady The effects of multi-enzyme addition on performance of broiler chickens
50. * BSAS 299 Dibamehr Amin, Sharifi Seyed Davood, Lotfollahyan Houshang, Zargaran Esfahani Hamed Effects of antibiotic and probiotic and fat source on broiler performance
51. BSAS 300 Mirghelenj Seyyed Ali, Golian Abolghasem, Taghizadeh Vahid Enrichment with long chain omega-3 fatty acids and sensory evaluation of chicken meat
52. BSAS 301 Abdi Ghezeljeh Einollah Determination of chemical composition and metabolizable energy of wastes of spaghetti, pasta, biscuit, crisp, chickpea pre-cleaning and chickpea screening plants
53. BSAS 302 Mirghelenj Seyyed Ali, Musavi Abazar, Abdi Ghezeljeh Einollah Effects of microbial phytase supplementation on growth performance Ca and P content of blood serum and in broiler
54. BSAS 303 Piray Ali hussein, Kermanshahi Hassan Effects of cecal cultures and Aspergillus meal prebiotic on serum lipids of broiler chickens
55. BSAS 304 Shakooryi Seyed Mortaza, Abdi Ghezeljeh Einollah, Mirghelenj Seyyed Ali The effectof different lightning programs on reproductive performance of native turkeys
56. * BSAS 305 Mousavi Sayed Naser, Shivazad Mahmood, Ghazvini Nosrat Effects of butyric acid, mannanoligosaccharide (MOS) and avilamycin on performance and small intestine morphology of broiler chickens
57. BSAS 306 Mehri Morteza, Adibmoradi Masoud, Samie Abdolhossein Effects of β -Mannanase on broiler gut morphology
58. BSAS 307 Fayazi Jamal, Ghorbani M. Reza, Nazari Mahmood, Momeni Jamal, Jaferian Amir, Aghaei Ali Growth curve models for commercial pullets under severe heat stress conditions
59. * BSAS 308 Al-Khalifa Hanan, Givens Ian, Rymer Caroline, Yaqoob Parveen, Juniper Darren The effect of increasing levels of fish oil on some immune responses of broiler chickens
60. BSAS 309 Mehri Morteza, Adibmoradi Masoud, Samie Abdolhossein Effects of β -Mannanase on broiler immune system
61. BSAS 310 Ghaderi Juybari Mehdi, Irani Mehrdad, Rezaei Pour Vahid, Saharkhiz Bandforuzi Kamal The effect of microbial feed additive on physiological parameters, carcass characteristics and ileal pH in broilers
62. * BSAS 311 Ghorbani Mohammad Reza, Fayazi Jamal, Chaji Morteza Effect of dietary phytase and NSP-degrading enzymes in diets containing rape seed meal on broiler performance
63. BSAS 312 Ghorbani Mohammad Reza, Fayazi Jamal, Chaji Morteza Effect of dietary phytase and NSP-degrading enzymes in diets containing rape seed meal on broiler carcass characteristics

PROGRAMME

SESSIONS - SOUTHPORT THEATRE AND CONVENTION CENTRE
 BRITISH SOCIETY OF ANIMAL SCIENCE, ANNUAL MEETING 30 March - 1 April 2009

Denotes invited session

ROOM <i>Capacity</i>			Floral Hall <i>400 +</i>	Waterfront Suite 1	Waterfront 2	Waterfront 3	Lakeside Suite WPSA Conference	Floral Hall	
Sunday PM 29-Mar-09								POSTERS	
								BSAS Poster Session I Displayed - 13:00 Monday -Tuesday 12:30	
Monday AM 30 March 2009					Student Programme Workshop 1	Student Programme Workshop 2		Discussion session Monday 15:00-16:00 hours	
	12:00		Registration and tea/coffee						Pigs and other Species Ch: Jennie Litten-Brown
Monday PM	13:30	Session 1	13:30 - 14:45 President's Session Food and Feed Security Ch: Prof Jamie Newbold	13:30 - 15:10 Equine I Ch: Catherine Hale				Discussion session Monday 15:00-16:00 hours Ch: Dr Peter Rowlinson	
	15:00 - 16:00		Tea/coffee and poster presentations						Physiology Reproduction (Ruminant)
	16:00	Session 2	16:00 - 17:30 Climate Change and Animal Health and Welfare Ch: Prof Nigel Scollan	16:00 - 17:25 Dairy Reproduction and Fertility Ch: Dr Melissa Royal	16:00 - 17:15 Equine II Ch: Dr Debbie Nash			Discussion session Monday 15:00-16:00 hours Ch: Prof Jeff Wood	
	19:30		BSAS Conference Dinner - Floral Hall						Discussion session Tuesday 10:00-10:45 hour
Tuesday AM 31 March 09	09:00	Session 3	09:00 - 10:00 HAMMOND LECTURE - Milk and meat in our diet: Good or bad for health and wealth? Prof Ian Givens					Ruminant Nutrition Ch: Dr Ryan Law	
	10:00-10:45		Coffee/tea and poster viewing						
	10:45	Session 4		10:45 - 12:30 Workshop What the Funders Want Ch: Dr Sinclair Mayne	10:45 - 12:30 Animal Health Ch: Prof Ilias Kyriazakis	10:45 - 12:35 Genetics I Ch: Dr Suzanne Rowe	10:50 - 12:30 WPSA Nutrition	BSAS Poster Session II Displayed - 13:00 Tuesday - Wednesday 12:30	
12:30- 13:30 Tuesday PM			Lunch						Discussion session Tuesday 15:00-16:00 hour
	13:30	Session 5		13:30- 15:00 (WPSA/BSAS) Conflicts between Consumer Requirements and Food Security Ch:	13:30- 15:15 Genetics II Ch: Dr Eileen Wall	13:30 - 15:15 Non-Farmed Species Ch: Jennie Litten-Brown	Waterfront 1 Suite Joint session	Invitro Ch:	
	15:15-16:00		Tea/coffee and poster viewing						Discussion session Tuesday 15:00-16:00 hour
	16:00	Session 6		16:00 - 17:45 Greenhouse Gases and Farming Systems Ch: Prof Geoff Simm	16:00 - 17:50 Finishing and Carcass Composition Ch: Dr Ian Richardson	16:00-17:40 Sheep Reproduction and Nutrition Ch: Dr Liam Sinclair	15:30 - 17:30 Nutrition Behaviour and welfare	Genetics: Dairy and Goats Ch: Dr Mike Coffey	
	18:00		BSAS AGM 18:00 hours						Discussion session Tuesday 15:00-16:00 hour
	19:30		Event night - Floral Hall						Genetics: Sheep Ch: Dr Geoff Pollott
Wednesday AM 1 April 09	08:45	Session 7		08:45-10:25 Extensive Ruminant Production Ch: Prof Mike Theodorou	08:45-10:05 Ruminant Nutrition Ch: Prof Ian Givens	08:45 - 10:40 Pig Meat Quality Ch: Dr Mick Hazzeldine	08:30 WPSA AGM 09:00 - 10:30 Immunology and disease	Discussion session Wednesday 10:25 -11:00 Evaluation of Treated Feeds Dr Danesh Mesgaran	
	10:25 - 11:00		Coffee/tea and poster viewing						Discussion session Wednesday 10:25 -11:00
	11:00	Session 8		11:00 - 13:00 Dairy Cattle Nutrition Ch: Dr Ryan Law	11:00- 12:30 Behaviour and Welfare Ch: Dr Emma Baxter	11:00 - 12:45 Methods of measuring Meat Quality Ch: Jimmy Hyslop	10:30 Poster viewing 11:15 - 13:15 Physiology and Genetics Presidents Prizes	Exotic Feed Evaluation Dr John Cone	
	1300		Close of Meeting						Poultry WPSA/BSAS Posters

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