

XXIII World's Poultry Congress Provisional Scientific Program

MONDAY 30 JUNE 2008

1500	Registration and speakers support centre opens
1700 – 1825	Opening ceremony Emerging boundaries for poultry production: challenges, opportunities and dangers John Hodges Austria (PL01)
1830	Registration and speakers support centre closes
1830 – 2000	Venue: Southbank Parklands Welcome Reception <i>Sponsored by Inghams Enterprises Pty Ltd</i>

TUESDAY 1 JULY 2008

0800	Registration and speakers support centre opens								
0800	Exhibition Opens								
0830	Plenary session 1: A global perspective of the poultry industry: now and the future								
0910	Animal welfare and the environment John Webster University of Bristol, UK (PL02)								
0950	Avian influenza Peter Doherty University of Melbourne, Australia (PL03)								
1030	The genetics of modern commercial poultry Jim McKay EW Group, UK (PL04)								
1030	Morning tea								
1100	Plenary session 1: A global perspective of the poultry industry: now and the future (continued)								
1140	Poultry nutrition future prospects Steven Leeson University of Guelph, Canada (PL05)								
1220	Beyond the horizon Pearse Lyons Alltech, USA (PL06)								
1230	Poultry in the 21 st Century Anni McLeod FAO Italy (PL07)								
1230	Lunch								
1330	CONCURRENT SESSION 1								
Main disciplines	A1. Welfare, husbandry and the environment	B1. Nutrition and feed technologies	C1. Processing and product safety	D1. Economics, marketing, education and extension	E1. Genetics and breeding	F1. Other species and alternative systems	G1. Physiology and endocrinology	H1. Poultry production in developing countries	I1: 6APPHC (6th Asian-Pacific Poultry Health Congress)
	<i>Managing the environment</i>	<i>Processing of feeds</i>	<i>Safety and quality of shell eggs</i>	<i>Educating the public, the producer and the student</i>	<i>Genomics & molecular markers</i>	<i>Waterfowl</i>	<i>The gastro - intestinal tract (microbiology)</i>	<i>Commercial poultry production in developing countries</i>	<i>Avian influenza</i>
1330	Sustainability of poultry systems Murdo MacLeod Roslin Institute, UK (OR001)	Improving the nutritive value of feedstuffs using new technologies Ravi Ravindran Massey University, NZ <i>sponsored by Danisco Animal Nutrition</i> (OR007)	Egg shell quality: any better, any worse? Juliet Roberts Australia (OR014)	Training students in sustainable agricultural practices Borin Khieu Centre for Livestock and Agriculture Department (Celagrid), Cambodia (OR020)	Sequencing the genome David Burt Roslin Institute, UK (OR027)	Advances in the breeding and management of ducks David Martin Cherry Valley Farms, UK (OR033)	To what extent can gut microflora affect broiler production Valeria Torok SARDI, Australia (OR040)	Poultry insurance in Iran Mostafa Mostafavi Syndicate of Day-Old Chick Producers, Iran (OR047)	HPAI: an Asia-Pacific perspective Les Sims Asia Pacific Veterinary Information Services, Australia (OR052)
1400	The value of windbreak walls for improving dispersion Mark Dunlop Australia (OR002)	In vitro pea starch digestibility as affected by cultivar and grind size Salaheddin Ebsim Canada (OR008)	Proteomic analysis of the eggs cuticle – some preliminary results Maureen Bain UK (OR015)	Using technology to educate consumers, producers and students Patricia Curtis USA (OR021)	The effect of cis-acting elements on transgene expression in chicken cells Jae Han Republic of Korea (OR028)	Behaviour and welfare of peking ducks – testing different water drinking systems Elke Heyn Germany (OR034)	Evaluating the microbiota and intestinal development in various genetic lines of broilers Brett Lumpkins USA (OR041)	Evaluation of poultry production system for ecological and economical sustainability of coconut farming D V S Gamage Sri Lanka (OR048)	Adaptive evolution of the avian Mx gene Lujang Qu PR China (OR053)
1415	Efficacy of trees to mitigate emissions from tunnel-ventilated poultry houses George Malone USA (OR003)	Effect of dietary energy concentration, NSP concentration and coarse particle sizes of NSP on mean retention time and gut development in laying hens Marinus Van Krimpen The Netherlands (OR009)	The interaction between housing system, genotype and egg quality in laying hens Eva Tumova (P321)		Identification of genes associated with age at first laying in chickens by differential display RT-PCR Yun Liang Jiang PR China (OR029)	Meat quality of hybrids of Canada Goose (<i>Branta canadensis</i> L.) males and White Koluda® goose females Ewa Lukaszewicz Poland (OR035)	Effect of grain type and particle size on growth performance and intestinal microbial populations in broiler chickens Lene L Mikkelsen Australia (OR042)	Innovations in backyard poultry: case of “Kuroiler” in India Vinod Ahuja India (OR049)	Comparison of inactivated H3 avian influenza vaccines to protect turkey hens against egg production losses following challenge with a recent H3N2 field isolate D R Kapczynski USA (OR054)
1430	Minimising Greenhouse emissions and environmental effects of poultry Waste Kee Nahm	The effect of grinding of highly characterised wheat samples on particle size and dry matter digestibility	Internal quality of eggs: any better, any worse? Yves Nys INRA, France (OR017)	Teaching avian physiology to the veterinary medical and animal husbandry	Nutrigenomic approaches for understanding the effects of mineral	Genetic determinism of fear responses transmission in ducks Isabelle Arnaud	Influence of mannan-oligosaccharides and Zinc Bacitratin on diversity of intestinal	Constraints to producing poultry products in developing countries	Development of Influenza A resistant transgenic chickens Tim Doran Australia (OR055)

	Taegu University, South Korea (OR004)	coefficients Thomas Acamovic UK (OR010)		students Ali Baghbanzadeh Iran (OR023)	nutrition on reproductive performance in chickens Karl Dawson Alltech, USA (OR030)	France (OR036)	microbiota of broiler chickens as revealed by molecular analysis of 16S rRNA genes Seng Huan Chee Australia (OR043)	Rudy Hutagalung Nutrifindo Consultants, Indonesia (OR050)	
1445		Influence of wheat hardness and xylanase supplementation on the performance, energy utilisation, digestive tract parameters and digesta parameters of broiler starters Ahmed Amerah New Zealand (OR011)		Technical and policy implications for sustainability in rural poultry production: Bangladesh experience Md. Nuru Miah Bangladesh (OR024)		Effect of storage temperature on sensory and microbiological quality of duck balut eggs Kimberly Cheng Canada (OR037)	Attempts to reduce chick gut pH and improve performance by reducing dietary acid binding capacity Joni Rynsburger Canada (OR044)		Australian surveillance for avian influenza viruses in wild birds C M Bunn , Australia (OR056)
1500	Differentiation of fungi collected from commercial broiler houses by automated rep-PCR J Allen Byrd USA (OR005)	Identification of an inflammatory compound for chicks in soybean meal Nick Dale USA (OR012)	Impact of strain on egg functionality Patricia Curtis USA (OR018)	Status of poultry education in India: student view Manish Raghuvanshi India (OR025)	Dietary conditioning results in enduring effects on gene expression Chis Ashwell USA (OR031)	Behaviour of White Pekin ducklings fed immediately or fasted for 24 h after hatching Joanna Engel USA (OR038)	Effects of Bacillus subtilis natto and Lactobacillus sporogenes mixture fermented feed on the enhancement of growth performance in broilers Shih-Wen Tang Taiwan (OR045)	The poultry industry in India – now and future prospects Balram Yadav Godrej Agrovvet, India (OR051)	Challenges of Potential Pandemic Influenza Virus Broomand Chaharaein Iran (OR057)
1515	Measurement of odour emissions from two tunnel ventilated broiler operations using an artificial olfaction system Jae Ho Sohn Australia (OR006)	Use of total and reactive lysine as quality indicator for commercial soya samples Mark Redshaw Germany (OR013)	Identification of putative functional proteins in chicken eggshell Yves Nys France (OR019)	Current poultry education opportunities Servet Yalcin Turkey (OR026)	Gene expression studies in the functionally-mature intestinal tract of the chicken Barbara Konsak Australia (OR032)	Evaluation of semen fertilizing potential for geese ganders Jiang Xia Zheng PR China (OR039)	A comparison of the faecal microbiota of three inbred lines of laying hens using Denaturing Gradient Gel Electrophoresis (DGGE) Panagiotis Tourlomousis UK (OR046)		Control of Highly Pathogenic Avian Influenza (HPAI) and other transboundary poultry diseases in a smallholder environment Karin Schwabenbauer Italy (OR058)
1530	Afternoon tea								
CONCURRENT SESSION 2									
Main disciplines	A2. Welfare, husbandry and the environment	B2. Nutrition and feed technologies	C2. Processing and product safety	E2. Genetics and breeding	F2. Other species and alternative systems	G2. Physiology and endocrinology	H2. Poultry production in developing countries	I2: 6APPHC (6 th Asian-Pacific Poultry Health Congress)	J2: 6APPHC (6 th Asian-Pacific Poultry Health Congress)
	<i>Poultry waste management</i>	<i>Feed additives</i>	<i>Safety and quality of shell eggs</i>	<i>Genomics & molecular markers (2)</i>	<i>Waterfowl</i>	<i>The gastro-intestinal tract (digestion)</i>	<i>Commercial poultry production in developing countries</i>	<i>Avian influenza</i>	<i>From toxins to diet – Hot topics in necrotic enteritis</i>
1600	Meat meal and organic fertiliser production from poultry litter using vermiculture James Turnell University of New England, Australia (OR059)	Pitfalls In digestibility techniques for evaluation of phytases Mike Bedford AB-Vista Feed Ingredients, UK (OR064)	Florida Salmonella enteritidis (SE) monitoring program protocol and procedures for commercial layer industry Gary Butcher University of Florida, USA <i>sponsored by ASA</i> (OR069)	Transcriptional profiling in somatic tissues of divergently selected broiler chickens Larry Cogburn University of Delaware, USA (OR073)	Is there a future for the scavenging duck? Hardi Prasetyo Indonesian Research Institute for Animal Production, Indonesia (OR077)	Feeding the Villi Edwin Moran Auburn University, USA (OR082)	Producing poultry under fire M Haroon Nessar ASAP, Afghanistan (OR090)	Avian influenza viruses circulating in poultry in Indonesia Peter Daniels CSIRO, Australia (OR091)	The pathogenesis of, and immunity to, necrotic enteritis of chickens: From genomics to proteomics John Prescott University of Guelph, Canada (OR096)
1615									
1630	In-house pasteurization of broiler litter Theresia Lavergne USA (OR060)	Phosphorus nutrition in poultry: The Dutch experience Jan D Van Der Klis The Netherlands <i>sponsored by Delacon Biotechniek</i> (OR065)	Estimation of the vertical and horizontal bacterial infection of hen's table eggs Koen De Reu Belgium (OR070)	Genome-wide transcription analysis of genes expressed in chicken adipose tissue Hui Li PR China (OR074)	Cryopreservation of Landese gander semen Manuela Lemoine France (OR078)	The effect of HMB substitution for DL-Methionine on phytate phosphorus utilization Anastassia Liem USA (OR083)	Impact of training: a profitability analysis of small scale broiler farming in Bangladesh Mohammad Islam Bangladesh (OR088)	The role of Cooperative Extension in response to avian influenza in the United States George Malone USA (OR092)	Canadian broiler performance using Clostridium perfringens Type A Toxoid for necrotic enteritis control under commercial production conditions Linnea Newman USA (OR097) <i>sponsored by Intervet Schering Plough</i>

1645	Effectiveness of litter treatments for reduction of ammonia volatilization John Blake USA (OR061)	The effect of xylanase, amylase and protease on ileal digestibility of amino acids of corn/soy-based diets for broilers Aaron Cowieson UK (OR066)	Persistence of Salmonella on layer farms and implications to foodborne risks and risk interventions George Arzey Australia (OR071)	Fat accumulation in chicken adipose tissues is reduced by single intraperitoneal administration of PPAR α agonist to newly hatched chicks Kan Sato Japan (OR075)	Genetic improvements of the performance traits in commercial ducks: Historic perspective M K Akbar USA (OR079)	The influence of calcium/phosphorus proportion on bone abnormality in broilers Poul Sorensen Denmark (OR084)	Crossbred indigenous chickens: an alternative to small to medium scale broiler production Kreingkrai Choprakarn Thailand (OR089)	Characterisation of Avian Influenza Subtype H9N2 isolated from Iran Broomand Chaharaein Iran (OR093)	A new toxin associated with avian necrotic enteritis caused by Clostridium perfringens Anthony Keyburn Australia (OR098)
1700	Odour emissions from tunnel ventilated meat chicken production in Australia – A comparison between single batch and partial litter reuse Erin Gallagher Australia (OR062)	Effect of enzyme complex (Allzyme SSFTM) on intestinal microflora of broiler chickens fed corn-soy diets G Devegowda India (OR067)	Trends in egg grading Paul Buisman Moba BV, The Netherlands (OR072)	Acute “diabetes” in chicken: effects on insulin signalling and gene expression in liver and muscle Jean Simon INRA, France (OR076)	Detection of Riemerella anatipestifer in waterfowl and farm environment Chia-Jeng Huang Taiwan (OR080)	Effect of forced litter feeding on performance and starch digestibility in broiler chicken Amit Setia Australia (OR085)	Integral profiles of poultry producers in Indonesia Eric Brum Indonesia (OR498)	Highly Pathogenic Avian Influenza in Australia and migratory birds Andrew Turner Australia (OR094)	Dietary factors influencing necrotic enteritis outbreaks in broilers Mingan Choct Australia (OR099)
1715	Feeding value of extruded hatchery waste in commercial broiler rations Ajitpal Singh Dhaliwal India (OR063)	Utilization of step-wise regression methods to derive nutrient matrices based on dietary bacterial phytase levels in broilers Terri Parr USA (OR068)			Utilization of sago palm pith (Metroxylon sagus) as feed ingredients in muscovy duck diets Keatisak Soisuwat Thailand (OR081)	Effects of feeding organic and inorganic acids on growth performance and nutrient digestibility in young broiler chickens Loh Teck Chwen Malaysia (OR086)	A research on the Turkish rural households' attitudes towards eggs and poultry meat Tülin Aksoy Turkey (P493)	H9N2 Avian Influenza: Endemic infection in commercial poultry in the Middle East and Asia Gary Butcher USA (OR095)	Chronic Enteritis: a problem in floor-housed laying hens Jan D Van Der Klis The Netherlands (OR100)
1730	Sessions conclude Registration and speakers support centre closes Exhibition Closes								
1730-1800	Poster viewing session								
1730	Optional dinner Australian Outback Spectacular, Gold Coast								

WEDNESDAY 2 JULY 2008									
0800	Registration and speakers support centre opens								
0800	Exhibition Opens								
0830 0910 0950	Plenary session 2 Village poultry: still important to millions eight thousand years after domestication Robyn Alders KYEEMA Foundation, Australia (PL08) Poultry product safety: recent advances Martine Boulianne Universite de Montreal, Canada (PL09) Progress in the development of transgenic chickens Robert Etches , Origen Therapeutics, USA (PL10)								
1030	Morning tea sponsored by Stork								
CONCURRENT SESSION 3									
Main disciplines	A3. Welfare, husbandry and the environment	B3. Nutrition and feed technologies	C3. Processing and product safety	D3. Economics, marketing, education and extension	E3. Genetics and breeding	F3. Other species, alternative systems & management	G3. Physiology and endocrinology	H3. Poultry production in developing countries	I3: 6APPHC (6 th Asian-Pacific Poultry Health Congress)
	Broiler breeders	Alternatives to pharmaceuticals	Safety and quality of poultry meat	Marketing of meat products	Genetics of disease resistance I	Alternative housing systems for layers	The Gastro-intestinal tract (digestion) II	Small-scale family poultry farming	Avian influenza
1100 1115	Management and feeding of broiler breeders Rob Renema University of Alberta, Canada sponsored by Aviagen (OR101)	Poultry production without antibiotics Peter Scott Scolexia and University of Melbourne, Australia (OR106)	Poultry live production and the impact on product quality Sarge Bilgili Auburn University, USA sponsored by Elanco (OR111)	Why is the Brazilian broiler chicken industry so competitive? Fabio Nunes Brazil (OR116)	Integrated genomics to enhance host resistance to bacterial colonisation in poultry Susan Lamont Iowa State University, USA (OR120)	Alternative housing systems for laying hens-an update Phil Glatz Australia (OR125)	Antioxidant feeding showed benefits in both oxidized and fresh fats minimizing structural and functional changes in the gastrointestinal system Julia Dibner Novus International, USA sponsored by Novus (OR130)	The role of agencies in information dissemination to smallholder poultry producers Emmanuelle GuerneBleich FAO, Ethiopia (OR135)	The role of biosecurity programs and compartmentalisation in facilitating international trade between countries with Notifiable Avian Influenza Tom Grimes Grimes Consultancy, Australia (OR139)
1130	Behaviour and health of broiler breeders – comparing different feeding management systems Elke Heyn Germany (OR102)	Ban of antibiotic growth promoters in poultry production and its implication on necrotic enteritis Ralph Stonerock	Risk assessment for alternative housing systems for broilers Sander Lourens The Netherlands (OR112)	Commodity advertising and promotion for the chicken market expansion in Korea Young In Park South	Genome-wide association mapping for QTL affecting ascites susceptibility in broiler chickens Joseph	Effect of housing systems on performance and reactivity in layers Stefano Paolo	Fat-secreted proteins in broiler and layer hens Miriam Friedman-Einat Israel (OR131)	Studies on the epidemiology of Newcastle disease in village chickens in Bangladesh Lalita Rani Barman Bangladesh (OR136)	Phylogenetic analysis for the Haemagglutinin gene of highly pathogenic H5N1 avian influenza viruses in poultry in Egypt Abdel-

		USA <i>sponsored by Biomin</i> (OR107)		Korea (OR117)	Powell UK (OR121)	Marelli Italy (OR126)			Satar Arafa Egypt (OR140)
1145	Effect of broiler breeder female feeder space during the growing and laying periods on reproductive performance and mortality John Brake USA (OR103)	Poultry production without 3-nitro? Steve Collett USA (OR108)	Food-borne pathogens and re-used litter – an Australian perspective Nalini Chinivasagam Australia (OR113)	Broiler marketing system in Bangladesh: is vertically integrated contract farming special? Ismat Ara Begum Bangladesh (OR118)	Genome wide QTL mapping in a chicken F2 population reveals numerous loci associated with antibody response Ben Dorshorst USA (OR122)	Production, behaviour, and physiology of four strains of laying hens in cages and free run housing Renu Singh Canada (OR127)	Retention of mineral substances, chemical composition, dynamic of changes of metrical and mechanical parameters of tibia in chickens fed mixtures with different Ca and P-available levels Dorota Jamroz Poland (OR132)	True incidence rate of Infectious Bronchitis, Newcastle Disease and Mycoplasmosis in backyard chickens from thirty communities of Mexico Susana Ramirez Mexico (OR137)	Identification of prevalent farm management structures favouring the introduction of Avian Influenza Barbara Grabkowsky Germany (OR141)
1200	Bio-Mos® in breeder flocks: Effect on breeder and broiler performance Andreas Kocher Australia (OR104)	Alternatives to antibiotics: Do we really have some alternatives? Zahid Nasir Germany (OR109)	Salmonella recovery from broilers and litter following challenge with Salmonella colonized darkling beetles and larvae using intermittently stepped on drag swabs Richard Buhr USA (OR114)	The competitive advantage of Eastern European countries in poultry products Peter van Horne LEI Wageningen-UR, The Netherlands (OR119)	Development of genetically modified cells in the chicken embryo and induction of immunological tolerance to transgenic cells Zandong Li PR China (OR123)	A field study on broiler hatchability: which factors are related to hatchability? Hurria Yassin The Netherlands (OR128)	Histomorphometric study of small intestine in adult cocks under three different single-feed diets Maryam Rezaian Iran (OR133)	The role of networks in information dissemination to family poultry actors Fallou Gueye Regional Animal Health Centre for Western & Central Africa, Mali (OR138)	
1215	The effect of graded hours of day length on broiler behaviour Karen Schwean-Lardner Canada (OR105)	Organic acids and essential oils, a viable alternative to antibiotic growth promoters in poultry production Robert Gauthier Canada (OR110)	The effect of sunlight on the survival of Salmonella species on surfaces Charles Nyeleti Zambia (OR115)		Identification of new chicken genes coding eggshell proteins potentially involved in the physical defence of the egg using cDNA arrays Vincent Jonchere France (OR124)	Economic impact of rearing commercial layers in battery cages than the traditional deep litter system in Sri Lanka Anuruddha Jayatilake Sri Lanka (OR129)	Comparison of sample source (excreta or ileal digesta) and age of broiler chickens on evaluating of Apparent Metabolizable Energy (AME and AMEn) and Apparent Nutrient Digestibility of corn-soybean diet Vahid Rezaeipour Iran (OR134)		Establishment of poultry compartmentalisation for avian influenza in Thailand Laddawalaya Ratananakorn Thailand (OR143)
1230	Lunch <i>Sponsored by Intervet Schering Plough</i>								
1330	CONCURRENT SESSION 4								
Main disciplines	A4. Welfare, husbandry and the environment	B4. Nutrition and feed technologies	C4. Processing and product safety	D4. Economics, marketing, education and extension/Youth Program	E4. Genetics and breeding	F4. Other species and alternative systems	G4. Physiology and endocrinology	H4. Poultry production in developing countries	I4: 6APPHC (6 th Asian-Pacific Poultry Health Congress)
	<i>Broiler breeders</i>	<i>Alternatives to pharmaceuticals</i>	<i>Safety and quality of poultry meat</i>	<i>Youth Program</i>	<i>Genetics of disease resistance II</i>	<i>Incubation and hatchery management and technology</i>	<i>Digestive physiology</i>	<i>Small-scale family poultry farming – Avian Influenza</i>	<i>Intestinal parasitic infections</i>
1330	Broiler breeder lighting: evidence for, and consequences of, photorefractoriness Rob Gous University of Kwa-Zulu-Natal, South Africa (OR144)	Assessment of probiotic efficacy in poultry nutrition: case of a multistrain probiotic effects in poultry health and performance Konstantinos Mountzouris Agricultural University, Athens <i>sponsored by Biomin</i> (OR150)	The impact of nutrition on carcass quality Gene Pesti University of Georgia, USA (OR157)	Occurrence of reverse peristalsis in broiler and layer chickens Adam Sacranie Australia (OR164)	European research in animal disease genomics Marie-Helene Pinard-van der Laan INRA, France (OR172)	Recent developments in egg incubation Marleen Boerjan Pas Reform Hatchery Technologies, The Netherlands (OR179)	Food intake regulation in chickens: recent advances Hiroyuki Kaiya National Cardiovascular Centre Research Institute, Japan (OR186)	Poultry sector development, highly pathogenic avian influenza and the smallholder production systems Jonathan Rushton FAO, Italy (OR192)	Recent advances in the control of coccidiosis Martin Shirley Institute of Animal Health, UK (OR198)
1345				Avian Pneumovirus in Jordanian Chickens Industry: Seroprevalence and Molecular Detection Ghaith Algharibeh Jordan (OR165)					
1400	The effects of age at photostimulation of male broiler breeders on testes growth and sexual maturity Nicola Tyler South Africa (OR145)	Evaluation of the efficacy of a unique Lactobacillus-based product in a necrotic enteritis model in broilers Dieter Vancraeynest Belgium (OR151)	Validation of peracetic acid as an antimicrobial in poultry chillers Shelly McKee USA (OR158)	Shaking eggs and embryonic development Heather Cutchin USA (OR166)	Selection for Marek's resistance in White Leghorns David Cavero Pintado Germany (OR173)	Long-term influences of temperature manipulation during the last days of incubation on physiology and performance in the chicken Barbara Tzschentke Germany (OR180)	Glycyl-glutamine injected centrally attenuates neuroepitope Y-induced feeding in chicks Takashi Bungo Japan (OR187)	The use of poultry market chains in developing HPAI control programmes Mary Young Australia (OR193)	Transforming coccidiosis mediated lesion scores into production and calorific cost Robert Teeter USA (OR199)

1415	Recent evidence about the protein and amino acid nutrition of broiler breeder hens Colin Fisher EFG Software, UK (OR146)	Managing the health of poultry: from antibiotic to probiotic Hai Meng Tan Singapore (OR152) <i>sponsored by Kemin Industries (Asia)</i>	Reductions of Salmonella and Campylobacter on Broiler Carcasses using a Combination of Ultrasound and Steam Birte S Larsen Denmark (OR159)	The effect of drying temperature and enzyme preparation on nutrient digestibility, nitrogen retention and AME level of maize grain for broiler chickens Sebastian Kaczmarek Poland (OR167)	Genetic selection for cutaneous hypersensitivity improves immune response to Newcastle disease virus in chicken lines Khawaja Ashfaqe Ahmed India (OR174)	Adaptation of gene expression in chick embryos at different developmental stages under chronic hypoxia Isabel Dittmann Germany (OR181)	Mu-opioid agonist injected centrally attenuates central insulin-induced anorexia and POMC expression in chicks Jun-ichi Shiraishi Japan (OR188)	Proactive engagement in compensation and rehabilitation policy formulation and implementation: the case of Egypt Lise Albrechtsen Egypt (OR194)	Unexpected coccidiosis multiplication patterns under various broiler management and coccidiosis control programs Linnea Newman USA (OR200)
1430		In vitro antiviral activity of Chestnut and Quebracho wood extracts Caterina Lupini Italy (OR153)	The impact of air filters with scanning ultraviolet light on airborne microflora in the live hang area of a commercial broiler processing plant Jessica Butler USA (OR160)	Thermoprotection of bioactive proteins added to animal feed Elizabeth Bobeck USA (OR168)	Genetic diversity of the Gallus gallus major histocompatibility complex Olympe Chazara France (OR175)	Possible mechanisms of catecholamines for protecting the embryonic heart against high and low temperature Heike Toenhardt Germany (OR182)	The D+ and D- 'digestion' chicken lines selected for divergent digestion efficiency on a wheat-based diet Bernard Carre INRA, France (OR189)	Maintenance and transmission of Highly Pathogenic Avian Influenza virus in backyard and small-scale commercial poultry production systems in South-East Asia Joerg Henning UQ, Australia (OR195)	The effect of different management conditions on the productivity and health of broiler birds vaccinated with the anticoccidial vaccine "Paracox-5" Luciano Gobbi Italy (OR201)
1445	Feeding and nutrition of male broiler breeders: from experimental research to field experience John Brake USA (OR147)	Potential of bacteriophage to prevent and treat poultry diseases Geraldine Huff USA (OR154)	Inhibitory effects of long-chain polyphosphates on Clostridium perfringens cell growth, sporulation and spore germination Saeed Akhtar USA (OR161)	Risk factors for salmonella contamination in broiler chicken flocks in East Spain: Preliminary results Clara Marin Spain (OR169)	Temporal and spatial expression pattern of Toll-like receptors during embryonic development in chicken Kannaki Ramasamy India (OR176)	Evaluation of incubation environment influence on hatching results using multivariate analysis A C De Souza Gigli Brazil (OR183)			Histomonas meleagridis – from a single cell towards a systemic infection Michael Hess University of Veterinary Medicine, Austria (OR202)
1500	Impact of increasing levels of balanced protein on biological and economic parameters of 2 different commercial broiler lines: Ross 308 and Ross 708 Andreas Lemme Germany (OR148)	Organic acid water treatment effective in decreasing Salmonella colonization and horizontal transmission in broiler chickens Chris Knight USA (OR155)	Utilization of quail and chicken embryos for the detection of botulinum toxin type A activity Richard Buhr USA (OR162)	Performance characteristics of broiler starters fed high level of wheat offal supplemented with garlic (Allium sativum L.) in a semi-arid environment of Nigeria Mohammed Bawa Gummi Turkey (OR170)	The major histocompatibility complex molecular genotyping on Taiwan local chicken breeds Chi Sheng Chang Taiwan (OR177)	Preserving hatchability and post hatch performance in long stored eggs in practise Sander Lourens The Netherlands (OR184)	Role of ionotropic glutamate receptors on feed intake in domestic fowl Ali Baghbanzadeh Iran (OR190)	Practical options for improving biosecurity of small-scale poultry producers Emmanuelle GuerneBleich Ethiopia (OR196)	
1515	Effect of hen's eggs composition on the hatchability and on the hatching weight and body composition of chicks in two meat-type genotypes Gabor Milisits Hungary (OR149)	The effect of a yeast extract feed additive on turkeys challenged with Escherichia coli and Listeria monocytogenes and subjected to transport stress Geraldine Huff USA (OR156)	Comparison of three salmonella detection methods Janet Fulton USA (OR163)	Inquiries to a turkey house with roofed outside run (veranda) and different stocking densities Jasmin Dannenbrink Germany (OR171)	Reconstitution and conservation of avian species using transgenic, chimera and embryo culture technology Brij Pal Singh India (OR178)	Statistical validation of sampling technique in estimating broiler hatching egg fertilization levels in commercial hatcheries Robert Keirs USA (OR185)	Relationship between GABAergic system with glutamatergic and histaminergic mechanisms on central control of food intake in chicken Abdolhossein Shiravi Iran (OR191)	Bio-security in small-scale broiler farms in relation to Avian Influenza in Bangladesh Mohammad Islam Bangladesh (OR197)	Overview of efficacy studies with histoBloc®, a histomonostat under registration (EU 1831/2003 Legislation) Koen De Gussem Belgium (OR203)
1530	Afternoon Tea <i>sponsored by Kemin Industries (Asia)</i>								
1600	CONCURRENT SESSION 5								
Main disciplines	A5. Welfare, husbandry and the environment	B5. Nutrition and feed technologies	C5. Processing and product safety	D5. Economics, marketing, education and extension	E5. Genetics and breeding	F5. Other species, alternative systems & management	G5. Physiology and endocrinology	H5. Poultry production in developing countries	I5: 6APPHC (6 th Asian-Pacific Poultry Health Congress)
	Broiler transport and slaughter	Mycotoxins	Safety and quality of poultry meat	Marketing of meat products	Genetics of behaviour & welfare	Management	Metabolic disorders and behaviours	Avian influenza in small-scale and commercial poultry farming	Bacterial Respiratory diseases
1600	From farm to processing plant: are there still problems? Malcolm Mitchell SAC, UK (OR204)	Latest innovations in microbial deactivation of mycotoxins Gerd Schatzmayr Biomin Research Centre, Austria <i>sponsored by Biomin</i> (OR209)	Proficiency testing scheme for Campylobacter analysis in broiler production chain matrices Ria Van Der Hulst-Van Arkel The Netherlands (OR214)	Enhancing the texture of lean chicken meat batters with transglutaminase and soy protein isolates Shai Barbut Canada (OR220)	Genetic selection for welfare Werner Bessei University of Hohenheim, Germany (OR226)	Current developments in Russian poultry research Sergey Cherepanov All-Russian Research Institute of Farm Animal Genetics & Breeding, Russia (OR231)	Are there new metabolic disorders and associated problems in poultry? Wayne L Bryden University of Queensland, Australia (OR236)	AI WORKSHOP & GENERAL DISCUSSION (no contributed papers) Moderator: Dr Andrew Turner	The role of vaccines in the control of bacterial respiratory diseases Pat Blackall Australia (OR241)
1615			Prevalence and characteristics of food poisoning bacteria isolated from birds in Japan Minara Khatun South Korea (OR215)	Effect of selenium source and dose on the accumulation and distribution of total selenium and selenized amino-acids in the yolk, albumen and whole chicken egg Gerard Bertin France (OR221)					

1630	Presence of oxygen during gas euthanasia in broilers reduces signs of agitation and distress Anton Coenen The Netherlands (OR205)	Managing Aflatoxin (AFB1) in broiler diets with dietary clay adsorbents Dinabandhu Joardar Thailand (OR210)	Epidemiology of Campylobacter in Australian broiler flocks Jillian Templeton Australia (OR216)	Effect of selenium source and dose on the accumulation and distribution of total selenium and selenized amino-acids within the tissues of two species of poultry Darren Juniper UK (OR222)	Analysis of the time interval within laying sequences in a transponder nest Wiebke Icken Germany (OR227)	Effects of lighting program and nutritional plane on broiler performance Joseph Hess USA (OR232)	The occurrence of fatty liver haemorrhagic syndrome in caged layer flocks: results from a survey in Queensland Shaniko Shini Australia (OR237)	Experience with TS-11 in South Africa Enslie Marais South Africa (OR242)
1645	Emergency killing of poultry with CO2-foam Marien Gerritzen The Netherlands (OR206)	Individual and combined effects of aflatoxin and diacetosyringeneol in broiler chickens Marta Jaramillo Venezuela (OR211)	Combinatorially selected phage-displayed peptides for the control of Campylobacter jejuni in chickens Sharon Bishop-Hurley Australia (OR217)	n-3 enrichment of chicken meat using ground flaxseed: effect of level and duration Rob Renema Canada (OR223)	Social and sexual preferences prepare speciation processes among domesticated chicken breeds Inga Tiemann Germany (OR228)	The effect of early life feed restriction on performance and mortality of male broilers Peter Wijten The Netherlands (OR233)	Physiology of ascites syndrome Ali Baghbanzadeh Iran (OR238)	Blood characteristics of commercial layers in response to pre-lay 6/85-strain Mycoplasma gallisepticum inoculation and F-strain Mycoplasma gallisepticum inoculation overlays during lay E David Peebles USA (OR243)
1700	The kosher slaughter of meat chickens and its welfare implications John Barnett Australia (OR207)	Investigation on Aflatoxicosis, using high grade sodium bentonite in broilers Milad Manafi India (OR212)	Characterization of chicken Campylobacter jejuni isolates using resolution optimised single nucleotide polymorphisms and binary gene markers Shreema Merchant Australia (OR218)	Turkey as a viable source of the pluripotent wonder supplement: carnosine Glenys Jones United Kingdom (OR224)	Divergent selection on adrenal responses to fear in Pekin ducks Isabelle Arnaud France (OR229)	Maximum production potential of spent layers through induced molt by varying nutritional regimes Zia Rahman Pakistan (OR234)	The effects of high fat intake on serum lipids and atherosclerosis indicators in broiler chickens as an animal model Tohid Vahdatpour Iran (OR239)	Development of a live attenuated vaccine against fowl cholera Peter C Scott Australia (OR244)
1715	Assessment of electrical stunning parameters for broiler chickens Simone Prinz Germany (OR208)	Mycotoxins and food safety Julia Dvorska Ukraine (OR213)	Comparative analysis of the molecular profiles associated to Campylobacter spp. And Clostridium perfringens broiler strains collected in Czech Republic, Germany and Italy Gerardo Manfreda Italy (OR219)	Effect of CLA addition to low-protein amino acid-supplemented diets on performance, meat quality and plasma constituents of broiler chicks: 1.Growing period Youssef Attia Egypt (OR225)		A field study on first week chick mortality: which factors are related? Hurria Yassin The Netherlands (OR235)		Mycoplasma synoviae-induced eggshell apex abnormalities: field and experimental studies Wil JM Landman The Netherlands (OR245)
1730	Sessions conclude Registration and speakers support centre closes Exhibition closes							
1730-1800	Poster viewing session							
	Free evening							

THURSDAY 3 JULY 2008

0800	Registration and speakers support centre opens
0800	Exhibition Opens
0830	Plenary session 3 Building a global brand on a multi-cultural world: A permanent challenge for the meat industry Jose Augusto Lima de Sa Sadia SA, Brazil (PL11)
0910	
0950	
0900-1700	Poultry Breeders and Exhibitors Workshop
1030	Morning tea sponsored by Danisco Animal Nutrition

1100 CONCURRENT SESSION 6									
Main disciplines	A6. Welfare, husbandry and the environment	B6. Nutrition and feed technologies	C6. Processing and product safety	D6. Economics, marketing, education and extension	E6. Genetics and breeding	F6. Other species and alternative systems	G6. Physiology and endocrinology	H6. Poultry production in developing countries	I6: 6APPHC (6 th Asian-Pacific Poultry Health Congress)
	<i>The welfare of laying hens</i>	<i>Feed additives</i>	<i>Bio-security in the poultry industry</i>	<i>Technologies to improve the economic benefits of poultry production</i>	<i>Selection for performance in sub-optimal environments</i>	<i>Turkey production</i>	<i>Skeletal disorders</i>	<i>Family Poultry farming</i>	<i>Respiratory Viral diseases</i>
1100	Can we meet the behavioural needs of laying hens in practice? Claire Weeks University of Bristol, UK (OR246)	Managing the poultry feedstuff supply challenge Bob Swick Agrenco Group, Singapore (OR251)	Practical solutions to pathogens in the dirty world of poultry Norman Stern USDA- Agricultural Research Service, USA (OR256)	The effect of feed physical quality on broiler performance Marcus Kenny Aviagen, UK (OR261)	Breeding for tolerance to stresses Avigdor Cahaner Hebrew University Of Jerusalem, Israel (OR266)	Maximising genetic potential through nutrition of the breeder hen technology Peter Woodward Nicholas Turkeys, UK (OR270)	Tibial dyschondroplasia – new insights Mark Pines Volcani Center, Israel (OR275)	Some technical and socio-economic factors affecting productivity and profitability of smallholder family poultry Funso Sonaiya Obafemi Awolowo University, Nigeria (OR280)	Viral respiratory infections Mark Jackwood University of Georgia, USA (OR285)
1130	Housing hens to suit their 'needs' Tina Widowski Canada sponsored by Australian Egg Corporation Limited (OR247)	Keratinase, a new feed enzyme additive that improves protein nutrition Jason Shih USA (OR252)	The microbiology of aerosols in and around meat chicken sheds Nalini Chinivasagam Australia (OR257)	Efficacy of video image analysis to detect potential blockages on egg collection belts Greg Cronin Australia (OR262)	Effect of naked neck gene on carcass traits in broiler populations Udai Bir Singh India (OR267)	The effect of a yeast cell wall product, with a guaranteed range of α -glucans, on performance in turkeys Dieter Vancraeynest Belgium (OR271)	Effects of breeder nutrition, early and late incubation conditions on bone development and leg health of broilers Edgar Oviedo-Rondon USA (OR276)	Use of improved breed in increasing productivity of small-scale layer duck production in Indonesia Hardi Prasetyo Indonesia (OR281)	Infectious bronchitis infection in laying hens Kapil Chousalkar Australia (OR286)
1145	Preferences of laying hens for sawdust, feed and social contact Adele Arnold New Zealand (OR248)	Effects of diet type and enzyme addition on growth performance and gut health of broiler chickens challenged with <i>Clostridium perfringens</i> Wei Jia Canada (OR253)	Evaluation of bioaerosol sampling techniques for <i>Chlamydomytila psittaci</i> Daisy Vanrompay Belgium (OR258)	AVES: An intelligent monitoring system for optimizing the production process of consumption eggs Kristof Mertens Belgium (OR263)	Genetic diversity between red jungle fowl and domestic chickens estimated using microsatellite markers Deepak Sharma India (OR268)	Influence of guanidino acetic acid inclusion levels in all-vegetable diets on production performance of turkeys Judith Ringel Germany (OR272)	Bone traits in four commercial strains of male meat-type chickens at 1 and 2 weeks of age Patricia Hester USA (OR277)	Village guinea fowl production in Malawi: potential for development Andrews Safalaoh Malawi (OR282)	Comparison of the pathogenicity of QX-like IBV strains from different pathological conditions Vilmos Palya Hungary (OR287)
1200	Effect of housing system, group size and perch position on H/L-ratio in laying hens Britta Scholz Germany (OR249)	The use of vitamin U as a feed additive in broiler diets Ashley Shaw USA (OR254)	A preliminary study investigating the risks of communicable disease transmission and the movement of poultry exhibited at Agricultural Shows in NSW Francette Dusan Australia (OR259)	Effects of different β -1,3-1,6-glucan on decrease egg yolk cholesterol content in laying hens Tsai-Tzu Chen Taiwan (OR264)	Genotype evaluation and breeding of poultry for performance under sub-optimal village conditions – an appropriate focus Badi Besbes FAO, Italy (OR269)	The efficacy of a thermostable xylanase in turkeys fed soft wheat and soybean meal diets Arun Kumar Australia (OR273)	Serum clinical chemistry and histopathology of broiler femoral head necrosis and tibial dyschondroplasia Narayan Rath USA (OR278)	Identification, characterization and composition of scavengable feed resources for rural poultry production in Central Tanzania Ezekiel H Goromela Tanzania (OR283)	Infectious laryngotracheitis virus: molecular pathogenesis and novel vaccine development Joanne Devlin Australia (OR288)
1215	The importance of nest-boxes to stress physiology of young adult laying hens Greg Cronin Australia (OR250)	Impact of methionine sources on feed intake of broilers studied in a choice feeding trial Andreas Lemme Germany (OR255)	Sodium butyrate in control of <i>Salmonella Typhimurium</i> colonisation of the gastrointestinal tract of chickens Peter Groves Australia (OR260)	Understanding the factors influencing consumption of meat and eggs in India Beena Singh India (OR265)		Isolation of <i>Listeria monocytogenes</i> from challenged turkeys using real time PCR Vikrant Dutta USA (OR274)	Age-related changes in structural and medullary bone mineral density in laying hens Doug Korver Canada (OR279)	Effect of replacing a low-protein fishmeal diet by a high-protein diet based on local feed ingredients on the performance and economic efficiency of semi-scavenging exotic hens in Burkina Faso Salimata Pousga Sweden (OR284)	The VG/GA strain of Newcastle disease virus: Full genome sequencing, mucosal immunity and protection Pedro Villegas USA (OR289)
1230	Lunch								
1330 CONCURRENT SESSION 7									
Main disciplines	A7. Welfare, husbandry and the environment	B7. Nutrition and feed technologies	C7. Processing and product safety	D7. Economics, marketing, education and extension	E7. Genetics and breeding	F7. Other species and alternative systems	G7. Physiology and endocrinology	H7. Poultry production in developing countries	I7: 6APPHC (6 th Asian-Pacific Poultry Health Congress)
	<i>The welfare of laying hens</i>	<i>Modelling poultry production</i>	<i>Bio-security in the poultry industry</i>	<i>Educating the public, the producer and the student II</i>	<i>Genetic resources & conservation</i>	<i>Turkey production</i>	<i>Advances in endocrinology and reproduction</i>	<i>Small-scale family poultry farming</i>	<i>What's next? The new generation of vaccines and therapeutics for controlling poultry infectious diseases</i>
1330	Hen welfare –the issues and challenges	Simulation models in poultry production Rob	Harnessing the wireless and internet to perform in	From the classroom to the community:	Characterisation and monitoring of poultry	Solving leg problems in turkeys Peter Ferket	Egg laying cycle of geese and the physiological	Factors limiting production efficiency and	Future poultry vaccines; a 15 year

1345	Paul Hemsworth University of Melbourne, Australia (OR290)	Gous University of Kwa-Zulu-Natal, South Africa (OR296)	food safety (HAACP) and in food operations and improve their performance and efficiency Gideon Zeidler University of California, USA (OR302)	advancing inquiry-based learning in poultry science Frank Robinson University of Alberta, Canada (OR309)	genetic resources Michele Tixier-Boichard INRA, France (OR316)	North Carolina State University, USA (OR322)	regulation mechanisms Zhendao Shi South China Agriculture University, PR China (OR329)	profitability from smallholder poultry production Jonathan Bell Community-based Avian Influenza Control, Indonesia (OR335)	perspective Ian Tarpey Intervet, UK (OR342)
1400	The welfare of laying hens during depopulation Victoria Sandilands UK (OR291)	Maximising broiler profit using EFG mechanistic modelling software: A case study Peter Chrystal New Zealand (OR297)	The GLUTEX™ product portfolio for enhancing animal biosecurity Gek Mui Ho Singapore (OR303)	Evaluation of farm school on radio as a tool for disseminating poultry outreach information in India P V K Sasidhar India (OR310)	Phenotypic and genetic variations of native chicken populations in northwest Ethiopia Halima H Mogesse Ethiopia (OR317)	Future challenges face turkey production and health Hafez Md. Hafez Germany (OR323)	Signaling pathways involved in the acrosome reaction of chicken spermatozoa Manuela Lemoine France (OR330)	Training for improved village poultry keeping in the Solomon Islands Russell Parker Australia (OR336)	Health monitoring in chicken using a new technique for an automated differential blood count Christian Seliger Germany (OR343)
1415	Comparison of hot blade beak trimming and infrared treatment Phil Glatz Australia (OR292)	Predicting the weights of the physical parts of broilers Raife Danisman South Africa (OR298)	The development of humane methods for culling poultry using liquid carbon dioxide Nicholas Sparks UK (OR304)	Avian Health Online™: Veterinary Graduate Education and Distance Learning Experiences T J Bagust Australia (OR311)	Maintaining Canadian avian germplasm at the Agassiz Research Center as living populations and cryopreserved gonads Fred Silversides Canada (OR318)	The effect of an excessive supply of dietary Se on the deposition of Se in the tissues of turkeys Thomas Acamovic UK (OR324)	Stress evaluation using hormone levels and tonic immobility in red-winged tinamous (<i>Rynchotus rufescens</i>) raised in captivity Sandra Queiroz Brazil (P442)	Community based small scale poultry rearing: an effective approach for sustainable and profitable farming for poverty alleviation in developing countries Quazi Huque Bangladesh (OR337)	Expression and anti-microbial activities of avian beta defensin 10 (AvBD10) Vanessa Butler UK (OR344)
1430	Integration of animal welfare in the food quality chain Harry Blokhuis Animal Sciences Group Of Wageningen UR, The Netherlands (OR293)	Modelling the growth of body components in broilers Colin Fisher EFG Software, UK (OR299)	Enforcement of biosecurity measures Musa Freiji Egypt (OR305)	Assessment of an undergraduate poultry science curriculum Donald Conner USA (OR312)	The Global Plan of Action for Animal Genetic Resources and the conservation of poultry genetic resources Irene Hoffmann FAO, Italy (OR319)	A turkey neuromotor syndrome associated to ionophore toxicity in commercial broiler flocks in Venezuela. A field versus experimental multidisciplinary study Victor Bermudez Venezuela (OR325)	Novel approaches for avian stem cell regulation and the application for sex determination and sexual manipulations Hiroshi Kagami Shinshu University, Japan (OR332)	Backyard poultry: a new tool to boost Indian poultry production Deben Sappota India (OR338)	The efficacy of a novel live E. coli Vaccine using a broiler skin challenge model Kalen Cookson USA sponsored by Fort Dodge (OR345)
1445			Newcastle Disease virus vaccination – An Australian success story? George Arzey DPI, Australia (OR306)	Assessment of poultry research priorities to 2020 in India P V K Sasidhar India (OR313)		Efficacy of alternative products against turkey coccidiosis Maarten De Gussem Belgium (OR326)		Learning with farmers through farm recording and modelling of village poultry in Ethiopia Aklilu H Asgedom Ethiopia (OR339)	Airborne PAMP-modulation of immune responsiveness of poultry: consequences for health? Henk Parmentier The Netherlands (OR346)
1500	The human-animal relationship in the current egg industry Lauren Edwards Australia (OR294)	Modelling nutritional impacts on yield dynamics of broilers to improve lean yield Martin Zuidhof Canada (OR300)	Prevalence of gastrointestinal helminths in different laying hen production systems Koen De Reu Belgium (OR307)	Development of a Master 4-H Poultry Volunteer Program Francine Bradley USA (OR314)	Benchmark and sequential safe set analysis of genetic diversity in 85 chicken populations Steffen Weigend Germany (OR320)	Advances in Duck Production in China Mengliang Lou PR China	Measurements of changes in the number of cells of the chicken blastoderm during egg storage Inge Reijrink The Netherlands (OR333)	Participatory development of local community institutions for promoting and sustaining indigenous poultry development in Kwazulu Natal, South Africa Harry Swatson South Africa (OR340)	Costs of immunity: implications for vaccination and nutritional strategies Kirk Klasing University of California, USA (OR347)
1515	Using a mother-hen odorant reduces stress and moderate immune system in chickens (<i>Gallus gallus</i>) Iltud Madec France (OR295)	The dynamics of Iran's egg export patterns in the middle east region Farhad Mirzaei India (OR301)	A new Mycoplasma Synoviae antibody detection ELISA with high sensitivity and high specificity Barend Van Dam The Netherlands (OR308)	Consumer preference for different poultry species in Calabar, Nigeria Antigha Essien Nigeria (OR368)	An application of an in situ marker assisted conservation scheme in poultry Enrico Zanetti Italy (OR321)		Comparison of oral vs. injected dosing of the soy phytoestrogen genistein on the reproductive development of female broiler chicks Lindsay Stevenson USA (P490)	Non-descript Hill Fowl of Central Himalayan region of Uttarakhand: An unexplored avian germplasm Shive Kumar India (P376)	
1530	Afternoon tea sponsored by Evonik								
1600	Exhibition closes and moves out								

1600 CONCURRENT SESSION 8											
Main disciplines	A8. Welfare, husbandry and the environment	B8. Nutrition and feed technologies	C8. Processing and product safety	D8. Economics, marketing, education and extension	E8. Genetics and breeding	F8. Other species and alternative systems	G8. Physiology and endocrinology	H8. Poultry production in developing countries	I8: 6APPHC (6 th Asian-Pacific Poultry Health Congress)	J8: 6APPHC (6 th Asian-Pacific Poultry Health Congress)	
	<i>Laying hens feather pecking/furnished cages</i>	<i>Technologies to enhance the nutritional value of feedstuffs</i>	<i>Meat quality</i>	<i>Extension services</i>	<i>General discussion of role and acceptance of GMO's and transgenics in commercial poultry</i>	<i>Minor species</i>	<i>Adaptation to different environments</i>	<i>Small-scale family poultry farming</i>	<i>Immunosuppressive diseases 1</i>	<i>Practical application of new generation vaccines and diagnostics</i>	
1600	Furniture in cages, either alone or in combination, and effects on hen welfare John Barnett Australia (OR348)	Grain sorghum: are there problems? Rider Perez-Maldonado Queensland Department of Primary Industries, Australia (OR354)		PoultryHub.org: building community and collaboration for the poultry industries Chris Day Australian Poultry CRC, Australia (OR365)	▪ Jim Peacock – moderator	What is quail good for in a chicken world? Francis Minvielle INRA, France (OR370)	Prenatal heat acclimation and its influence on embryo development and broiler performance Servet Yalcin University of Bari, Turkey (OR375)	A move from subsistence to semi-commercial family poultry farming with local chickens Kalidas Sarkar & Golam Mostafa Department of Livestock Services, Bangladesh <i>sponsored by Danida</i> (OR380)	The causes and effects of immunosuppression in poultry Glenn Browning University of Melbourne, Australia (OR385)	Newcastle disease (ND) efficacy in broilers vaccinated at one day of age with recombinant HVT/F(ND):INNOVAX [®] -ND-SB challenged by the intramuscular and ocular route with the recent MEXICAN vND VIRUS(NDV) isolate CHIMALHUACAN Rudolf Hein USA (OR390)	
1615	Do high and low feather pecking birds differ in their choice between feeding sites? Alexandra Harlander Germany (OR349)		Variation of Warner-Bratzler shear values within early-deboned broiler breast fillets Hong Zhuang USA (OR360)							Field efficacy in broiler chickens in the Philippines of vHVT13, a Marek's HVT vector vaccine expressing VP2 on Infectious Bursal Disease virus (IBDv) JN Atienza Philippines (OR391)	
1630	Autonomous control, or legislative direction, of sustainability in the poultry industry David Marks NZ (OR350)	Recent developments in research on yellow-seeded B. napus canola: A new ingredient for poultry and swine diets Bogdan Slominski Canada (OR355)	Effect of protein and energy level on broiler breast morphology Brenda Schneider Canada (OR361)	Nigerian Poultry Science Journal aims to lead the way in poultry education in Africa Idowu Ola Nigeria (OR366)			Effect of long-term selection on growth and production traits in various Japanese quails under Indian climatic conditions Brij Pal Singh India (OR371)	Gene expression response of broilers exposed to reduced oxygen during incubation Shelly Druyan USA (OR376)	Family poultry development through micro-credit and technical support S M Rajiur Rahman Bangladesh (OR381)	The synergistic disease severity and virus shedding in MDV and CAV infected chickens depends on the relative time of co-infection Irit Davidson Israel (OR386)	A novel HVT-based recombinant vaccine (INNOVAX [®] -ILT) to simultaneously control infectious laryngotracheitis and Marek's disease in chickens Teshome Mebatsion USA (OR392)
1645	Comparative study on the behaviour, health and productivity of laying hens in furnished cage and aviary housing systems Michael Erhard Germany (OR351)	Maximizing utilization of dried distillers grains with solubles in market turkey diets Sally Noll USA (OR356)	Oxidative status of dietary fat influences lipid stability of erythrocytes in chickens Achille Schiavone Italy (OR362)	Peri-urban broiler production in transition- A case of contract farming Gracy Chennothumalil India (OR367)			Effect of reconstitution on nutritive value of high-tannin sorghum in Japanese quails Palanisamy Vasan India (OR372)	Potential for improvement of broiler performance, litter and carcass characteristics under tropical heat stress conditions with supplemental betaine Olivier Mailfert Mauritius (OR377)	A dynamic stochastic model to explore management options for village poultry systems Aklilu H Asgedom Ethiopia (OR382)		Molecular characterisation of recent ILTV isolates and the role of vaccine strains in the emergence of ILT in Australia Hayley Blacker Australia (OR393)
1700	Robustness of laying hens: is it all about genes, environment, or early-life experiences? Laura Star The Netherlands (OR352)	Production and carcass quality of broilers fed pearl millet diet Danny Singh Australia (OR357)	Investigation of pectoralis muscle by means of near infrared spectroscopy in broiler and meat type turkey Peter Horn Hungary (OR363)	25 Year Research, Media and Money Wiebe Van Der Sluis The Netherlands (OR315)			Chronic Respiratory Disease Complex associated to Mycoplasma gallisepticum and Mycoplasma synoviae in commercial laying Quail flocks in Venezuela Victor Bermudez Venezuela (OR373)	Effect of dietary energy and protein dilution with optimal amino acid profile on broiler starter performance (hatching-to-twenty eight days of age) in hot climate Tariq Mushtaq Pakistan (OR378)	Study on different farm sizes of sonali hens (a crossbred of RIR and Fayoumi) under semi-scavenging system of production Md. Akhtar Zaman Bangladesh (OR383)	Serotype 2 Marek's disease virus vaccination in Australia - new directions Clive Jackson Australia (OR387)	

1715	The effect of housing induced stress on colonisation of the chicken gut and reproductive system and contamination of eggs by Salmonella Jennifer Jennings UK (P026)	Effects of diet self selection on nutrient intake and performance in broiler chickens reared under normal and high temperatures Syafwan Indonesia (OR358)	The relationship between production and processing factors on color changes in broiler breast meat and the implications on quality Dora Samuel USA (OR364)			Impact of housing density, vitamin E and/or chromium chloride supplementation on performance of growing Japanese quail males Youssef Attia Egypt (OR374)	Study of eggshell temperature surface variation on eggs with different size and different incubation temperature Marcos Macari Brazil (OR379)	Factors influencing adoption of backyard poultry by farmers in India P V K Sasidhar India (OR384)	Paralysis in young layer chicken – anything but Marek Sophie Bader Germany (OR388)	
1730	Sessions conclude Registration and speakers support centre closes									
1730-1800	Poster viewing session									
1930 - 2330	Venue: Brisbane Convention & Exhibition Centre Congress dinner <i>sponsored by Merial</i>									

FRIDAY 4 JULY 2008										
0800	Registration and speakers support centre opens									
0830	Plenary session 4									
0910	Recent technologies in the development and use of egg components Lekh Juneja Taiyo Kagaku, Japan (PL14)									
0950	Innovative biotechnologies in the poultry industry Tim Doran CSIRO Livestock Industries, Australia (PL15)									
	The influence of China on the global livestock industry Gordon Butland G&S Agriconsultant, Thailand (PL16)									
0900-1700	Poultry Breeders and Exhibitors Workshop									
0930 – 1600	Australasian Turkey Federation Workshop									
1030	Morning tea									
1100	CONCURRENT SESSION 9									
Main disciplines	A9. Welfare, husbandry and the environment	B9. Nutrition and feed technologies	C9. Processing and product safety	D9. Economics, marketing, education and extension	E9. Genetics and breeding	F9. Other species and alternative systems	G9. Physiology and endocrinology	H9. Poultry production in developing countries	I9: 6APPHC (6 th Asian-Pacific Poultry Health Congress)	J9: 6APPHC (6 th Asian-Pacific Poultry Health Congress)
	Bioethics and welfare issues	In-ovo feeding and feeding the newly-hatched chick	Meat Quality	Adding value to the hen's egg	Selection for meat production and quality	Minor species	Immunology of the gastro intestinal tract	Small-scale family poultry farming	Immunosuppressive diseases 2	Vaccinal strategies for controlling necrotic enteritis
1100	Bioethics in poultry production: room for change Peter Cheeke Oregon State University, USA (OR394)	In ovo feeding: impact on intestinal development, energetic status and growth Zehava Uni Hebrew University of Jerusalem Israel (OR399)	Red discoloration of fully cooked poultry meat Doug Smith USA (OR404)	Specialty eggs in North America Paul Patterson The Pennsylvania State University, USA (OR410)	Molecular basis of feed efficiency in meat-type birds Sammy Aggrey University of Georgia, USA (OR415)	Squab production – a review Irek Malecki University of Western Australia (OR420)	Harnessing the immune system Peter Kaiser Avian Genomics Group, UK (OR425)	Gender issues in small-scale family poultry production: Experiences with ND and HPAI control Brigitte Bagnol University of Witwatersrand, South Africa (OR430)	Mechanism of virus-induced immunosuppression Ton Schat Cornell University, USA (OR434)	Maternal immunization against necrotic enteritis in broiler chickens Luciano Gobbi Italy (OR439)
1115			Broiler meat certification using carbon and nitrogen stable isotopes technique Alfredo Carrijo Brazil (OR405)							Field Efficacy of a Clostridium perfringens Type A Alpha-Toxoid Breeder Vaccine in Preventing Mortality Due to Necrotic Enteritis in Broilers Charlie Broussard USA (OR440)
1130	Reproductive tract lesions in free range hens with particular reference to bacterial infections Shaniko Shini Australia (OR395)	The effect of post-hatch feed on chick development Roos Molenaar The Netherlands (OR400)	Effect of ante-mortem holding temperature and shackling time on broiler meat quality Brenda Schneider Canada (OR406)	Se-enriched eggs: from niche market to main stream Peter Surai UK (OR411)	Evaluation of growth, food intake and body composition of three commercial broiler strains Julian Melo Argentina (OR416)	Comparative productive performance of Japanese Quail from different local and imported flocks Muhammad Akram Pakistan (OR421)	Prebiotics and omega-3 polyunsaturated fatty acids influence the intestinal mucosal immune system and microbial communities of broiler chickens but do not improve performance Mark Geier Australia (OR426)	Poultry Worker: A Remarkable Successful Story S M Rajiur Rahman Bangladesh (OR431)	Studies on diagnosis and analysis of potential risk factors associated with Marek's Disease mortality in commercial poultry farms of Punjab, India Sidhartha Deshmukh India (OR435)	Workshop and discussion (incl relevant posters)
1145	Higher welfare standards and broiler	Effects of in-ovo feeding (IOF) and	Process approach adoption as a quality	Enrichment of egg yolk fatty acids with	Effect of dietary energy on	Role of cloacal gland foam in natural mating	Stinging nettle as an ovogogue and	A success story of women empowerment	Genetic characterization of	

	welfare Marc Cooper UK (OR396)	dietary β -hydroxy- β -methylbutyrate (HMB) on the small intestinal microanatomy of turkey poults Diego Bohorquez USA (OR401)	and safety assurance tool in broiler slaughterhouse Ewa Pacholewicz Poland(OR407)	different level of linseed in layer diets Nazar Afzali Iran (OR412)	performance and metabolic pathways of broiler chickens with different growth potential Renato Furlan Brazil (OR417)	in Japanese quails (Coturnix coturnix japonica) Rampratap Singh India (OR422)	immunomodulator in poultry Doj Raj Khanal Nepal (OR427)	through quail farming in bay island Simmi Tomar India (OR432)	ALV-J isolated from egg-type chickens in Egypt in 2002 Abdel-Satar Arafa Egypt (OR436)	
1200	Using a semiochemical enhances growth and reduces stress in fast growing broiler chickens (Gallus gallus) – preliminary results Iltud Madec France (OR397)	Effect of maternal and dietary 25-OH vitamin D3 on broiler production and immunity Jennifer Saunders-Blades Canada (OR402)	Duck Meat Off-Odor as Affected by Different Strains and Dietary Lipids Sangle Randa Indonesia (OR408)		Myostatin gene expression during embryonic and post hatch stages in Indian CSML broilers Pandit Nandedkar India (OR418)	Effect of different selenium sources on the hatching traits of Japanese quail Muhammad Athar Pakistan (P059)		Reclaiming endangered livelihoods: untold stories of indigenous women and backyard poultry Sagari Ramdas ANTHRA, India (OR433)	Immunosuppressive and pathological properties of infectious bursal disease vaccine 'intermediate plus strain' in broiler chickens Sanjay Khurana India (OR437)	
1215	Regulating the welfare of meat chickens in New Zealand Cheryl O'Connor New Zealand (OR398)	Feeding the young broiler chick in practice: a review Rick Kleyn South Africa (OR403)	The effect of buckwheat preparation on the quality of turkey meat products Wieslaw Kopec Poland (OR409)		Estimation of effective population size in chicken breeding based on chromosome segment homozygosity Maria Hansen Germany (OR419)	Relative effectiveness of methionine hydroxy analogue compared to DL- methionine in growing Japanese quails (Coturnix coturnix japonica) Rana Parvin India (OR424)			Ability of chicken cytokines to enhance disease resistance using chicken anemia virus as a model Pengju Guo Australia (OR438)	
1230	Lunch									
CONCURRENT SESSION 10										
Main disciplines	A10. Welfare, husbandry and the environment	B10. Nutrition and feed technologies	C10. Processing and product safety	D10. Economics, marketing, education and extension	E10. Genetics and breeding	F10. Other species and alternative systems	G10. Physiology and endocrinology	H10. Poultry production in developing countries	I10: 6APPHC (6 th Asian-Pacific Poultry Health Congress)	
	<i>Managing heat stress</i>		<i>Adding value to poultry meat</i>	<i>Adding value to the hen's egg</i>	<i>Selection for production and quality of eggs</i>	<i>Dietary enhancement</i>	<i>Barrier function of the gastro intestinal tract</i>	<i>Joint FAO, WPSA, INFPD workshop on family poultry farming</i>	<i>Emerging diseases</i>	
1330	The prevention of heat stress in poultry Hai Lin Shandong Agricultural University, PR China (OR441)	Organic trace minerals for poultry enhance mineral bioavailability and can improve performance and reduce environmental impact Julia Dibner USA (OR447)	High pressure processing technology in poultry products: review of applications and potentialities of an emerging processing technique Francisco Purroy Balda Spain (OR455)	The egg is an important provider of the omega-3 fatty acids David Farrell Australia (OR499)	Selection for production and quality of eggs from an industrial point of view Rudi Preisinger Lohmann Tierzucht, Germany (OR470)	The effect of kombucha tea on gastrointestinal and blood parameters of broiler chicks Mohsen Afsharmanesh Iran (OR477)	Anti-viral immune responses in the chicken Andrew Bean CSIRO Australian Animal Health Laboratories, Australia (OR485)		Emerging and evolving diseases of poultry Richard Jones University of Liverpool, UK (OR492)	
1345		Establishing the mineral requirements of poultry based on organic forms Lucy Tucker New Zealand (OR448)	A comparison of fatty acid composition in the meat of fast- and slow-growing chickens Jiang Xia Zheng PR China (OR456)			Long term effects of varying nutrient iodine concentrations on the performance of laying hens and the carry over into eggs Anna Selena Röttger Germany (OR478)				
1400	Effect of dietary supplemental prebiotic on performance, egg quality and some plasma parameters of laying hens exposed to heat stress Ladine Celik Turkey (OR442)	Effect of increasing dietary levels of balanced protein in male Ross 308 fed either pellets or mash feed Torben Madsen Singapore (OR449)		The interactive impact of dietary PUFA on the deposition of DHA in the egg yolk Gerard Huyghebaert Belgium (OR464)	Bantamisation of commercial egg laying stocks Greg Parkinson Australia (OR471)	Substitution of corn with enzymes treated palm oil sludge in laying hens diet Arnold Sinurat Indonesia (OR479)	Intestinal mucosal inflammatory responses and gut morphological changes in relation to the carbohydrate source in broiler feed Emma Teirlynck Belgium (OR486)		Reovirus progeny protection in broiler flocks with varying levels of maternal immunity Kalen Cookson USA sponsored by Fort Dodge (OR493)	
1415	Productive performance and physiological traits of slow-growing chicks as affected by heat stress, ascorbic acid and different levels of betaine Youssef Attia Egypt (OR443)	Mineral availability for poultry production Lin Wylie UK (OR450)	Omega-3 enrichment of broiler meat by using two oil seeds Shaban Rahimi Iran (OR458)	Performance and egg value enhancing abilities of herbal feed supplements in layer diets Devareddy Narahari India (OR465)	Dietary and genetic interactions in fishy egg tainting in brown-shelled layers Alison Ward Canada (OR472)	Combining cell wall components plus a yeast culture and a live microorganism in the diets of broiler chickens: productive and digestive responses Sergio	Impact of feed additives on immune function in the chicken Vijaya Janardhana Australia (OR487)		Inclusion body hepatitis is a primary disease in broilers in Saskatchewan and Alberta, Canada Susantha Gomis Canada (OR494)	

						Gomez INIFAP (OR480)			
1430	Alleviating heat stress in broilers Shlomo Yahav ARO Volcani Center, Israel (OR444)	Substitution of inorganic trace minerals in broiler diets by a step-down program of organic trace minerals at lower inclusion levels Peter Spring Switzerland (OR451)	FireSync™, making life easier!, Peter Wiklund Sweden (OR459)	Influence of Omega-3-fatty acids on sensory quality of chicken egg and meat Subbiah Ezhil Valavan India (OR466)	From DNA markers to BLUP prediction in a layer line Jesus Arango USA (OR473)	Performance of broiler growers grazing on fresh herbs; rosemary (<i>Rosemarinus officinalis</i>), thyme (<i>Thymus vulgaris</i>), fennel (<i>Foeniculum vulgare</i>) and sage (<i>Salvia officinalis</i>) Zhihong Miao Australia (OR481)	The influence of bacterial exposure on intestinal mucin composition and structure during post-hatch development of poultry: a means to identify potential prebiotics? Rebecca Forder Australia (OR488)		Runting and Stunting Syndrome (RSS) in US broilers H S Sellers USA (OR495)
1445		Relationship between heat damage, total and reactive lysine content as a quality indicator for corn distillers dried grains with solubles (DDGS) Mark Redshaw Germany (OR452)	The effects of Kosher Salt as an antimicrobial intervention in poultry processing J Allen Byrd USA (OR460)	Effect of supplemental evening primrose oils to layer diet for gamma linolenic acid enriched egg in laying hens Ok Suk Suh South Korea (OR467)	Marker-trait association analyses in a pure-line White Leghorn Jesus Arango USA (OR474)	Effect of alfalfa meal level in layers ration on cholesterol content and yolk colour of egg yolk Awad Elkariem Elfaki Sudan (OR482)	Short-term administration of dietary corticosterone enhances hen antibody response to immunization David Trott USA (P589)		Do we know the real impact of <i>Chlamydothila psittaci</i> infections in the turkey industry and is there hope for future control? Daisy Vanrompay Ghent University, Belgium (OR496)
1500	Performance of heat stressed broilers fed defatted phytase-supplemented rice bran Michael Smith USA (OR445)	Immune response in broilers fed with different forms of Zinc supplementation Chitithoti Anil Kumar India (OR453)	Identification of the avian species (poultry, pet and wild birds) by the sequence analysis of mitochondrial 12S rRNA gene PS Girish India (OR461)	The study of IgY production with Taiwan native Tsaiya ducks and Leghorn laying hens Tu-Fa Lien Taiwan (OR468)	Genetic characterization of four white leghorn strains undergoing long term selection as assessed by RAPD Vs microsatellite markers Mahadeo Kumar India (OR475)	Dietary fibre from acacia gum tree as an alternative to AGPs in broilers Lene Lind Mikkelsen Australia (OR483)			
1515	The effects of dietary electrolyte balance on the performance of laying hens exposed to heat-stress environment in late laying period Alireza Safamehr Iran (OR446)	Increasing levels of balanced protein in starter and grower feed for Cobb 500 broilers Andreas Lemme Germany (OR454)		Innovative technology of separation of bioactive substances from egg white Tadeusz Trziszka Poland (P341)		Effects of powdered <i>Nigella sativa</i> seed supplementation in broiler diets on performance and blood metabolism Zahid Nasir Germany (P171)			Pasteur – from hero to zero? Pat Blackall Australia (OR497)
1530	Afternoon tea								
1600	Closing ceremony Previous award recipient presentations								
1730	Congress concludes Registration and Speakers Support Centre closes								