Sunday 31 January 2010
17:00 - Pre Registration - Rowleys Bar – Rydges Camperdown Tel: 02 8595 1522
19:00 Save the rush on Monday, register, pickup your satchel and name badge and drop off your powerpoint presentations.

Monday 1 February 2010
8:30 – Registration and Morning Tea
9:45
9:45 - Opening of Symposium
10:00 - Linda Browning - President, Poultry Research Foundation
10:00- Recognition of 100th Anniversary of the Faculty of Veterinary Science
10:15 - Professor Rosanne Taylor - Dean, Faculty of Veterinary Science

INNOVATIONS IN EUROPEAN POULTRY PRODUCTION
Chair: Greg McDonald – Inghams Enterprises Pty. Limited
10:15 – DEVELOPMENTS AND INNOVATIONS IN BROILER NUTRITION IN THE NETHERLANDS
11:00 Loek de Lange – De Heus Voeders B.V. The Netherlands
11:00 – CHALLENGING CURRENT POULTRY FEEDING DOGMAS BY FEED INTAKE RESTRICTION
11:45 AND THE USE OF COARSE FEED INGREDIENTS
Birger Svihus – Norwegian University of Life Sciences Norway
11:45 – CHALLENGES TO EUROPEAN POULTRY PRODUCTION
12:00 Jan Dirk van der Klis – Schothorst Feed Research The Netherlands
12:00 – UPDATE ON CURRENT EUROPEAN BROILER BONE PROBLEMS
12:15 Colin Whitehead – Roslin Institute UK
12:15 – Lunch
13:00
NUTRITION SYSTEMS BEYOND ME

Chair: Dr. David Cadogan - Feedworks

13:00 – Utilisation of feeds metabolisable energy in pigs and poultry
Jean Noblet – INRA France

13:45 – An effective alternative to the ME system
Rob Gous – University of KwaZulu-Natal South Africa

14:30 – Energy in Poultry Diets: Adjusted AME or Net Energy
Jan Dirk van der Klis – Schothorst Feed Research The Netherlands

15:00 – Non-starch polysaccharides and enzyme application influence the Net Energy value of broiler diets
Mingan Choct – Australian Poultry CRC

15:15 – Afternoon Tea

BROILER NUTRITION

Chair: Mr. Greg Hargreave – Baiada Pty. Ltd

15:45 – Update on near infrared reflectance analysis of grains to estimate nutritional value for chickens
John Black – John Black Consulting

16:00 – The performance of broilers offered sorghum-compared to wheat-based diets: a large scale experiment
Rider Perez-Maldonado – Rider Perez Consultancy

16:15 – Energy utilisation and digestibility of fats as influenced by the age of broilers
Ravi Ravindran – Massey University New Zealand

16:30 – Tools in early nutrition to maximise performance
Andi Kocher – Alltech Biotechnology

16:45 – Diets high in linoleic acid reduce omega-3 long chain polyunsaturated fatty acids in chicken tissue
Lilik Kartikasari - University of New England

17:00 – The vulnerability of sorghum to “moist-heat”
Peter Selle – University of Sydney

17:15 – The nutritive value of high-yielding triticale varieties and their potential for inclusion in poultry diets
Aluisius Widodo – University of New England

17:30-20:30 Gourmet BBQ - Welcome Reception
Tuesday 2 February 2010

Times | Papers
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**EFFECT OF HOUSING AND LITTER ON BEHAVIOUR AND FOOD QUALITY**  
Chair: Dr. Vivien Kite - RIRDC

9:00 – 9:45 | INFLUENCE OF HOUSING SYSTEM ON THE BACTERIOLOGICAL QUALITY AND SAFETY OF TABLE EGGS  
*Koen de Reu – Institute for Agriculture and Fisheries (ILVO) Belgium*

9:45 – 10:00 | LITTER CONSUMPTION BY POULTRY AS AFFECTED BY DIET STRUCTURE  
*Birger Svihus – Norwegian University of Life Sciences Norway*

10:00 | THE EFFECTS OF INTERRUPTING A DUSTBATHING BOUT ON THE CHOICE BEHAVIOUR OF LAYING HENS IN A Y-MAZE TEST  
*Sonja Laine - University of Melbourne*

10:15 | EGG QUALITY IN THE AUSTRALIAN EGG INDUSTRY: AN UPDATE  
*Juliet Roberts – University of New England*

10:30 | **Morning Tea**

11:00 | CONCURRENT SESSIONS: A & B

12:15 | **SESSION A: Webster Lecture Theatre**  
**BROILER PERFORMANCE AND NUTRITION**  
Chair: Tim Walker – Australian Poultry CRC

11:00 - 11:15 | OPTIMAL SULPHUR AMINO ACIDS TO LYSINE RATIO IN GROWER PHASE IN ROSS 308 BROILERS  
*Tobias Madsen – Evonik Degussa (SEA) Pte. Ltd*

11:15 - 11:30 | DIETARY ENZYMES ALTER SORGHUM PROTEIN DIGESTIBILITY AND AME CONTENT  
*Asad Sultan – University of Queensland*

11:30 - 11:45 | INFLUENCE OF ENERGY AND BALANCED PROTEIN LEVELS IN WHEAT-BASED DIETS ON ROSS 308 BROILER PERFORMANCE  
*Tobias Madsen – Evonik Degussa (SEA) Pte. Ltd*

11:45 - 12:00 | VARIATION IN NUTRIENT COMPOSITION AND STRUCTURE OF HIGH-MOISTURE MAIZE DRIED AT DIFFERENT TEMPERATURES  
*Momenuzzaman Bhuiyan - University of New England*

12:00-12:15 | FEED FORM EFFECTS ON BROILER FEED INTAKE  
*Kim Huang – Aviagen Inc*
SESSION B: W.P. Young Room

HEALTH
Chair: Clive Jackson – Biological Technology Transfer Pty. Ltd

11:00 – DIFFERENTIATION BETWEEN PATHOGENIC SEROTYPE 1 ISOLATES OF MAREK’S DISEASE VIRUS (MDV1) AND THE RISPENS VACCINE IN AUSTRALIA USING REAL-TIME PCR
Katrin Renz - University of New England

11:15 – A QUANTITATIVE PROFILE OF INFECTIOUS BRONCHITIS VIRUS IN FAECES OF LAYING HENS
Kapil Chousalkar - Charles Sturt University

11:30 – THE STRATEGIC USE OF ORGANIC ACIDS TO IMPROVE GUT HEALTH IN POULTRY
Li Li – Kemira Singapore

11:45 – INACTIVATION OF VIRUSES AND COCCIDIA IN BROILER LITTER FOLLOWING HEaping OR WINDROWING AT THE END OF THE BATCH
Steve Walkden-Brown - University of New England

12:00 – SPATIAL AND TEMPORAL VARIATION IN AMMONIA CONCENTRATIONS IN BROILER SHEDS: EFFECTS OF CHICKEN AGE AND SHED TYPE
Fakhrul Islam - University of New England

12:15 – Lunch

LAYER NUTRITION, WELFARE AND FOOD SAFETY
Chair: Dr. Angus Crossan - AECL

13:15 - EGGSHELL FACTORS INFLUENCING EGGSHELL PENETRATION AND WHOLE EGG CONTAMINATION BY DIFFERENT BACTERIA, INCLUDING SALMONELLA ENTERITIDIS
Koen de Reu – Institute for Agriculture and Fisheries (ILVO) Belgium

13:45 - THE EFFECTS OF TWO LIGHT-DARK SCHEDULES ON EGG LAYING TIME AND SYNCHRONY, THE INCIDENCE OF LAYING IN THE DARK AND HEN WELFARE.
Greg Cronin – University of Sydney

14:00 - ATTRACTING LAYING HENS INTO RANGE AREAS USING SHELTERBELTS
Emma Borland - University of Adelaide

14:15 - ATTRACTING LAYING HENS INTO RANGE AREAS USING SHADE AND FORAGE
Phil Glatz - SARDI

14:30 – OPTIMUM LEVEL OF CASSAVA PULP IN DIETS FOR LAYERS
Navaporn Chauynarong – University of New England

14:45 – IMPLICATIONS ON THE USE OF CANOLA MEAL AND RECOMMENDATIONS TO REDUCE FISHY TAINT IN EGGS FROM BROWN HENS
Rider Perez-Maldonado – Rider Perez Consultancy

15:00 – EFFECT OF A COMPLEX ENZYME ON THE DIGESTIBILITY OF LAYER DIETS CONTAINING PALM KERNEL MEAL
Adam Naylor – Alltech Biotechnology
Afternoon Tea
15:30 – 16:30

WPSA ANNUAL GENERAL MEETING - Webster Theatre

17:00 Sharp
Bus Departs Rydges for Circular Quay for Ferry to Taronga

18:15 - 23:00
Symposium Dinner – Harbour View Terrace, Taronga Zoo

23:00
Wednesday 3 February 2010

Times       Papers

9:00 –      GLOBAL GOALS TO PROMOTE POULTRY PRODUCTION IN
9:30        DEVELOPING COUNTRIES
Chair: Dr. David Farrell

9:30 –      OPPORTUNITIES AND SUSTAINABILITY OF SMALLHOLDER POULTRY PRODUCTION IN
10:00       THE SOUTH PACIFIC REGION
Phil Glatz – SARDI

10:00 -     THE ROLE OF THE WORLD’S POULTRY SCIENCE ASSOCIATION (WPSA) IN SUPPORT OF
10:30       POULTRY PRODUCTION IN DEVELOPING COUNTRIES
Robert Pym - WPSA

10:00 -     PILOTING AND OUTREACH TO BETTER LINK LIVESTOCK RESEARCH WITH EXTENSION:
10:30       EXPERIENCE FROM PNG
Workneh Ayalew – National Ag Research Institute PNG

10:30 –     IMPROVEMENTS IN VILLAGE POULTRY PRODUCTION IN THE SOLOMON ISLANDS
10:45       Russell Parker – Kai Kokorako Perma-Poultry

10:45 -     HEAVY METAL CONTAMINATION IN MINERAL SOURCES FOR MONOGASTRIC FEED IN
11:00       ASIA PACIFIC
Tara Jarman – Alltech Biotechnology

11:00 -     Morning Tea
11:30       

COMMERCIAL DUCK PRODUCTION
Chair: Dr. Wendy Muir - University of Sydney

11:30 –     DUCK PRODUCTION IN AUSTRALIA
12:00       Peter Brown – Pepe's Ducks

12:00 -     THE EFFECTS OF STRAIN AND SEASON ON THE PERFORMANCE OF COMMERCIAL
12:15       DUCKS UNDER AUSTRALIAN CONDITIONS
Jeff Downing - University of Sydney

12:15 -     THE PERFORMANCE OF COMMERCIAL DUCKS FED DIFFERENT DIETARY PROTEIN
12:30       CONCENTRATIONS DURING THE FINISHER PHASE
Jeff Downing – University of Sydney

12:30 –     TWO-DAY-OLD DUCKLINGS INTERACT MORE WITH A BELL DRINKER THAN A NIPPLE
12:45       DRINKER SUSPENDED ABOVE A TROUGH
Greg Cronin - University of Sydney

12:45 –     Lunch
13:45       
BROILER INTESTINAL HEALTH

Chair: Dr. Bob Hughes - SARDI

13:45 – 14:00
MICROBIAL PROFILES OF THE GASTRO-INTESTINAL TRACT OF BROILERS AND ITS RELATION TO FEED EFFICIENCY
Loek de Lange – De Heus Voeders B.V. The Netherlands

14:00 – 14:15
CHARACTERISATION OF GUT BACTERIA ASSOCIATED WITH BROILER PERFORMANCE ACROSS VARIOUS AUSTRALIAN FEEDING TRIALS
Valeria Torok - University of Adelaide

14:15 – 14:30
EFFECTS OF PHYTOGENICS AND ZINC BACITRACIN ON PERFORMANCE AND INTESTINAL HEALTH STATUS OF BROILERS
Robert Nichol - Biomin

14:30– 14:45
THE ABILITY OF GREEN TEA TO POSITIVELY MODIFY THE GUT MICROFLORA IN BROILER CHICKENS
Don Thomas – Massey University NZ

14:45– 15:00
EFFECTS OF NOVEL FEED ADDITIVES ON GUT HEALTH AND OVERALL PERFORMANCE IN BIRDS CHALLENGED WITH CLOSTRIDIUM PERFRINGENS
Mark Geier - University of Adelaide

15:00– 15:15
FEED ADDITIVES INFLUENCE GOBLET CELL DISTRIBUTION AND VILLUS-CRYPT ARCHITECTURE IN BROILERS AFTER NECROTIC ENTERISTIS CHALLENGE
Helen Golder - University of Adelaide

15:15– 15:30
Closure of APSS 2010 BY WPSA PRESIDENT – Professor Juliet Roberts

15:30