Sunday 8th February, 2015

18:30 – Pre Registration from 6:30pm @ Rowlys Restaurant and Bar – Rydges Camperdown.
20:30

Beat the crowds on Monday and register for the conference early and pick up your satchels.

*Light refreshments and some finger food will be served.*

Monday 9th February, 2015

8:00 – Registration
9:00

9:00 – 9:05 Opening of Symposium
- Judith O'Keeffe - President, Poultry Research Foundation
- Peter Groves –Director, Poultry Research Foundation

QUALITY OF THE EGG – HATCHABILITY TO EDIBILITY
Chair: Ms. Jojo Jackson – AECL

9:05 – FEEDING FOR EGG QUALITY
9:50

* Aidan Leek - Hyline, U.K

9:50 – EGG QUALITY
10:20

* Julie Roberts – University of New England, Australia

10:20 – INCREASING PERSISTENCY IN LAY AND STABILIZING EGG QUALITY IN LONGER LAYING CYCLES – WHAT ARE THE CHALLENGES?
11:05

* Maureen Bain – University of Glasgow, United Kingdom

11:05 – Morning Tea
11:30
QUALITY OF THE EGG – HATCHABILITY TO EDIBILITY: Continued
Chair: Associate Professor Juliet Roberts – University of New England

11:30 – BODY WEIGHT AT POINT OF LAY AND THE ULTRASTRUCTURAL PROPERTIES OF EGGSHELLS
Elfira Suawa – University of New England, Australia

11:40 # THE CUTE-EGG PROJECT: A STUDY WHICH AIMS TO QUANTIFY AND IMPROVE THE QUALITY OF THE EGGSHELL CUTICLE
Maureen Bain – University of Glasgow, United Kingdom

11:55 – VITAMIN D, STRONTIUM AND LAYING HENS – WHAT’S THE CONNECTION?
Linda Browning - University of Sydney, Australia

12:05 – MICROALGAE IN LAYER DIETS CREATE FUNCTIONAL, DHA ENRICHED EGGS
Chetna Chadha - Alltech, New Zealand

12:15 – THE EFFECT OF INCORPORATION OF CALCIUM PIDOLATE AND OYSTER SHELL ON THE QUANTITATIVE AND QUALITATIVE PARAMETERS OF EGG PRODUCTION
David Isaac - BEC Feed Solutions, Australia

12:25 – EFFECT OF SUPPLEMENTATION WITH TWO LEVELS OF 25-HYDROXYCHOLECALIFEROL ON EGG INTERNAL AND EXTERNAL QUALITY IN COMMERCIAL LAYING HENS
Khalid Al-Zahrani - University of New England, Australia

12:35 # QUANTIFICATION OF PROTOPORPHYRIN IX FROM EGGSHELL OF BROWN EGG LAYING HENS CHALLENGED WITH VACCINE AND WILD STRAINS OF INFECTIOUS BRONCHITIS VIRUS
Sami Samiulla - University of New England, Australia

12:45 – EFFICACY OF BUTTIAUXELLA PHYTASE IN CORN SOYA BASED DIET ON EGG PRODUCTION PERFORMANCE AND NUTRIENT DIGESTIBILITY
Arun Kumar - University of Queensland, Australia

12:55 – Lunch

14:00 – HOT TOPIC: EMERGING TECHNOLOGIES IN POULTRY RESEARCH
Chair: Dr. Vivien Kite – RIRDC

14:00 – THE EUCLIDIAN PATHWAY TO MORE INSTRUCTIVE BROILER BIOASSAYS: NUTRITIONAL GEOMETRY
David Raubenheimer - University of Sydney, Australia

14:45 – PRACTICAL APPLICATIONS OF NUTRIGENOMICS IN POULTRY NUTRITION
Kristen Brennan – Alltech- University of Kentucky, USA

15:15 – PROGENY PERFORMANCE: CURRENT RESEARCH AND U.S. FIELD PERSPECTIVES
Michael Kidd – University of Arkansas, USA

16:00 – Afternoon Tea
EMERGING TECHNOLOGIES IN POULTRY RESEARCH: Continued
Chair: Dr. Peter Selle – University of Sydney

16:00 – ‘CONTOUR PLOT’ BIOMETRICS ENHANCE INTERPRETATION OF BROILER BIOASSAYS
Ha Hong Truong – University of Sydney, Australia

16:10 – EFFECT OF GUANIDINOACETIC ACID SUPPLEMENTATION ON PERFORMANCE OF BROILER BREEDERS AND THEIR PROGENIES
Channarayapatna Girish – Evonik Industries, Singapore

16:20 – THE EFFECT OF DIRECT FEED ACCESS AFTER HATCH AND DIET TYPE ON BROILER CHICKEN GROWTH PERFORMANCE
David Lamot – Cargill Animal Nutrition Innovation Center, The Netherlands

16:30 – DIETARY SELENIUM SUPPLEMENTATION OF BREEDERS INFLUENCES GROWTH AND SELENIUM STATUS OF PROGENY
Kevin Liu – Adisseo Asia Pacific, Singapore

16:40 – SEVEN DAYS GROWTH TRIAL ALLOWS ACCURATE SELENIUM SOURCES BIOAVAILABILITY EVALUATION IN CHICKENS
Kevin Liu – Adisseo Asia Pacific, Singapore

16:50 – EFFECTS OF VITAMIN E AND SELENIUM DEFICIENT DIETS ON THE PATHOLOGY OF GEESE AND MUSCOVY DUCKS
Sontana Mimapan – National Institute of Animal Health, Thailand

17:00 – EFFECT OF IN OVO ADMINISTRATION OF INSULIN-LIKE GROWTH FACTOR-I ON HATCHING CHARACTERISTICS AND PERFORMANCE OF BROILER CHICKENS
Mohammad Mohammadrezaei – Islamic Azad University, Iran

17:10 – Post Graduate and Student Introductions - sponsored by the Poultry CRC
17:25

17:30 – Post Graduate Welcome BBQ – Roundhouse Lawns - sponsored by the Poultry CRC
20:30
Tuesday 10th February 2015

ENERGY vs PROTEIN AND AMINO ACIDS – HOW TO STRIKE A BALANCE
Chair: Dr. David Cadogan – Feedworks

9:00 – Amino Acids Versus Energy: Trends in Feeding Modern Commercial Broilers
9:45 Michael Kidd – University of Arkansas, USA

9:45 – On Free Amino Acids: Their Role in Starch and Protein Digestive Dynamics
10:30 Peter Selle – University of Sydney, Australia

10:30 – Effect of Net Energy Formulation on Broiler Performance and Carcass Composition
10:40 Bob Swick – University of New England, Australia

10:40 – Immediate Posthatch Nutrient Restriction: The Effect on Broiler Muscle Development and Occurrence of Intramuscular Fat
10:50 # Dean Powell – University of Sydney, Australia

10:50 – A Deficient Supply of Methionine Changes the Composition and Metabolism of the Pectoralis Major Muscle in Growing Broilers
11:00 J.Alberto Conde-Aguilera – INRA, France

11:00 – Morning Tea
11:30

ENERGY, PROTEIN AND MINERALS IN BROILER NUTRITION
Chair: Professor Wayne Bryden – University of Queensland

11:30 – Impact of Increasing Dietary Amino Acid Density in Broilers Fed Low Metabolizable Energy
11:40 Channarayapatna Girish – Evonik Industries, Singapore

11:40 – Performance of Ross 308 Broilers Fed Different Levels of Energy and Balanced Protein Under Moderate Heat Stress
11:50 Alex Chang – Aviagen Group, USA

11:50 – The SID of Amino Acids of Wheat-DDGS Measured by Two Different Methods
12:00 Mike Bedford – AB Vista Feed Ingredients, UK

12:00 – Effect of Canola Meal Source on Broiler Performance
12:10 Bob Swick – University of New England, Australia

12:10 – Phytase Influences the Inherently Different Starch Digestive Dynamics of Wheat – and Maize- Based Broiler Diets
12:20 # Ha Hong Truong – University of Sydney, Australia

12:20 – Effect of a Novel Bacterial Phytase Supplementation on Performance, Bone Mineralization and Nutrient Utilization of Broilers Fed Diets Containing Rice Bran and MBM with Different Levels of Phosphorus
12:30 Yuwares Ruangpanit – Kasetsart University, Thailand
12:30 – RESPONSE OF BROILER CHICKENS TO DIFFERENT LEVELS OF PHYTASE, CALCIUM AND AVAILABLE PHOSPHORUS
Marjina Akter – University of New England, Australia

12:40 – INTERACTION BETWEEN PHYTASE AND CALCIUM SOURCE, CONCENTRATION AND PARTICLE SIZE ON BROILER PERFORMANCE AND SKELETAL INTEGRITY
Emma Bradbury – University of Sydney, Australia

12:50 – MEASUREMENT OF TRUE ILEAL CALCIUM DIGESTIBILITY OF MEAT AND BONE MEAL FOR BROILER CHICKENS
Muhammad Naveed Anwar – Massey University, New Zealand

13:00 – Lunch

13:00 – CONCURRENT SESSION A: Webster Theatre
BROILER NUTRITION AND PERFORMANCE
Chair: Dr. Bob Swick – University of New England

14:00 – VISCOSITY OF LUPINUS ANGUSTIFOLIUS SEEDS – COMPARISON OF IN VITRO AND IN VIVO EVALUATION IN BROILER CHICKENS
Pawel Konieczka – The Kielanowski Institute of Animal Physiology and Nutrition, Poland

14:10 – INFLUENCE OF FEED FORM AND PARTICLE SIZE ON THE PERFORMANCE AND NUTRIENT UTILISATION OF BROILER STARTERS FED MAIZE-BASED DIETS
Reza Abdollahi – Massey University, New Zealand

14:20 – Xylanases Enhance Nutritive Value of Soybean Meal
Kevin Liu – Adisseo Asia Pacific, Singapore

14:30 – PERFORMANCE AND NUTRIENT DIGESTIBILITY IN BROILERS IN RESPONSE TO INCREASING DOSES OF PHYTASE
Yueming Dersjant-Li – Danisco Animal Nutrition, UK

14:40 – IMPACT OF PROCESSING CONDITIONS ON AMINO ACID DIGESTIBILITY OF EXPELLER-EXTRACTED CANOLA MEAL FOR BROILER CHICKENS
Mehdi Toghyani – University of New England, Australia

14:50 – RESPONSE OF BROILER CHICKENS TO RISING LEVELS OF SPRAY-DRIED PORCINE PLASMA
Sleman Mohammed Beski – University of New England, Australia

15:00 – Xylanase Can Improve Performance of Both a Simple Wheat/Soya Diet and a More Complex Diet in Broilers
Robert ten Doeschate – AB Vista Feed Ingredients, UK

15:10 – EFFECT OF NUTRITIONAL EMULSIFIER ON FEED EFFICIENCY IN BROILERS FED DIETS BASED ON TWO DIFFERENT FAT COMPOSITIONS
Marc Rovers – Orffa Additives BV, The Netherlands

15:20 – A YEAST CARBOHYDRATE FRACTION IMPROVED GROWTH PERFORMANCE, APPARENT METABOLISABLE ENERGY AND MINERAL RETENTION BY BROILERS AT 21 DAYS POST-HATCH
Asad Sultan – University of Agriculture, Pakistan
CONCURRENT SESSION B: Palfrey Room  
FOOD SAFETY AND BIRD HEALTH  
Chair: Dr. Peter Groves - University of Sydney

14:00 – THE SALMONELLA INITIATIVE  
Kylie Hewson – Australian Egg Corporation, Australia

14:10 – SALMONELLA TYPHIMURIUM INFECTION IN LAYING HENS  
Kapil Chousalkar – University of Adelaide, Australia

14:20 – AN EXAMINATION OF EGGSHELL PORE STRUCTURE AND PENETRATION BY  
SALMONELLA TYPHIMURIUM  
Aaron Ray – University of New England, Australia

14:30 – PRELIMINARY ANALYSIS OF THE DURATION OF PROTECTION OF VAXSAFE® ST  
VACCINE AGAINST SALMONELLA SHEDDING IN LAYERS  
Greg Underwood – Bioproperties Pty Limited, Australia

14:40 – ANTIMICROBIAL RESISTANCE OF ESCHERICHIA COLI IN RETAIL CHICKEN CARCASSES FROM VIETNAM  
Kathleen Sary – University of Montreal, Canada

14:50 – A LOOP ISOThERMAL AMPLIFICATION ASSAY TO DETECT FOWL ADENOVIRUS – 8 IN A VARIETY OF POULTRY MATERIALS  
Katrin Renz – University of New England, Australia

15:00 – INFECTIOUS BURSAL DISEASE ANTIBODY LEVELS AND VIRAL LOAD IN BURSA, Faeces, Litter and Dust Following Infection of Commercial Broiler Chickens at 0 and 14 Days of Age  
Kanchana Jayasundara – University of New England, Australia

15:10 – TISSUE DISTRIBUTION AND SHEDDING PROFILES OF CHICKEN ANAEMIA VIRUS IN SPECIFIC PATHOGEN-FREE AND COMMERCIAL BROILER CHICKENS  
Mamdouh Alsharari – University of New England, Australia

15:20 – KINETICS OF RISPENS CVI988 VACCINE VIRUS IN SINGLE AND MIXED INFECTIONS WITH VERY VIRULENT MAREK’S DISEASE VIRUS IN ISA BROWN CHICKENS  
Sithara Ralapanawe – University of New England, Australia

15:30 –  
Afternoon Tea

16:00 – CONCURRENT SESSION C: Webster Theatre  
EFFECT OF NUTRITION ON BROILER HEALTH, PERFORMANCE AND ENVIRONMENT  
Chair: Professor Mingan Choct – University of New England

16:00 – EARLY FEEDING AND HIGH AMINO ACID LEVEL ON PERFORMANCE OF BROILERS UNDER SUBCLINICAL NE CHALLENGE  
Chuck Keerqin – University of New England, Australia

16:10 – THE ROLE OF SUPPLEMENTAL GLYCINE ON BROILERS PERFORMANCE UNDER SUBCLINICAL NECROTIC ENTERITIS  
Danny Xue – University of New England, Australia
16:20 – ROLE OF DIET ON ODOUR EMISSIONS FROM MEAT CHICKENS
Nishchal Sharma – University of New England, Australia

16:30 – SUPERDOSING PHYTASE IN WHEAT-BASED DIETS IMPROVES LITTER AND FOOT PAD
SCORE WHILST SIMULTANEOUSLY IMPROVING PERFORMANCE
Mike Bedford – AB Vista Feed Ingredients, UK

16:40 – ANTIOXIDANTS IN BROILER BREEDER DIETS CAN AFFECT OFFSPRING PERFORMANCE
David Lamot – Cargill Animal Nutrition Innovation Center, The Netherlands

16:50 – INFLUENCE OF AN ORGANIC ACID BLEND ON LOWER ILEAL MICROFLORA AND
PRODUCTION PERFORMANCE OF BROILERS AT DAY -42
Sarzamin Khan – KPK Agricultural University Peshawar, Pakistan

16:30 – THE IMPACT OF BEDDING MATERIALS ON BROILER PERFORMANCE
Sarbast Kheravii – University of New England, Australia

18:00 – Bus Departs Rydges Camperdown for King Street Wharf – ‘Starship Sydney’

18:45 – Symposium Dinner – Starship Sydney cruising the beautiful Sydney Harbour
Wednesday 11 February 2015

8:00 – Arrival Tea & Coffee
9:00

8:00 – WPSA ANNUAL GENERAL MEETING – Palfrey Room
9:00

POULTRY WELFARE – “DRIVING CHANGES ACROSS THE INDUSTRY”
Chair: Dr. Kelly Drake - SARDI

9:00 – FEATHER PECKING IN LAYERS – STATE OF RESEARCH AND IMPLICATIONS
9:45 Werner Bessie – University of Hohenheim, Germany

9:45 – VISUAL IDENTIFICATION OF POTENTIAL FEATHER PECKERS BY USING PLUMAGE COVER METRICS AND FEATHER CONSUMPTION IN LAYING HENS
Sungbo Cho – University of Queensland, Australia

9:55 – NEST-BOX USE BY YOUNG FREE RANGE HENS MAY BE INFLUENCED BY PERCHING LOCATION RESULTING FROM SOCIAL AVOIDANCE
Greg Cronin – University of Sydney, Australia

10:05 – FREE RANGE BROILER CHICKEN BEHAVIOURAL TIME BUDGETS: INSIDE AND OUTSIDE THE SHED
Peta Taylor – University of Melbourne, Australia

10:15 – WELFARE AND EFFICIENCY IN POULTRY PRODUCTION
11:00

Marian Dawkins – University of Oxford, UK

11:00 – Morning Tea
11:20

POULTRY WELFARE - Continued
Chair: Dr. Greg Cronin – University of Sydney

11:20 – AUTOMATED ASSESSMENT OF HEALTH AND WELFARE IN COMMERCIAL BROILER CHICKEN FLOCKS USING OPTICAL FLOW
Marian Dawkins – University of Oxford, UK

11:35 – IDENTIFICATION OF BIOMARKERS FOR FOOTPAD DERMATITIS DEVELOPMENT AND WOUND HEALING
Matthew Bekker – Novus Nutrition Ltd, Australia

11:45 – INCUBATION TEMPERATURE: INFLUENCE ON CHICK HATCH TIME AND BONE ASH
Wendy Muir – University of Sydney, Australia

11:55 – GUT IMPACTION IN FREE RANGE HENS
Isabelle Ruhnke – University of New England, Australia

12:05 – THE EFFECT OF TIME OFF WATER ON THE WELFARE OF SPENT LAYING HENS
12:15

Alan Tilbrook – SARDI, Australia
12:15 – WELFARE PROBLEMS IN LAYING HENS IN EUROPE
12:30 Werner Bessei – University of Hohenheim, Germany

12:30 – A BRIEF REVIEW OF DRIVERS FOR CHANGE IN THE FREE RANGE POULTRY INDUSTRY
12:40 Kelly Drake - SARDI, Australia

12:40 – FREE RANGE FARM DEMOGRAPHICS AND PRACTICES IN AUSTRALIA – PRELIMINARY DATA
12:50 Isabelle Ruhnke – University of New England, Australia

12:50 – CHALLENGES TO FREE RANGE POULTRY IN LOW RAINFALL REGIONS
13:00 Carolyn de Koning – SARDI, Australia

13:00 – Poultry CRC Student Award
13:05

13:05 – Close of APSS 2015 – Associate Professor Juliet Roberts
13:15

13:15 – Lunch
14:00

14:00 – AVPA Meeting

# Student Presentations