1st Australian and New Zealand
Spatially Enabled Livestock Management Symposium
11am, 15th July 2010

Education Lecture Theatre 2, University of New England,
Armidale NSW Australia

Program

11:00am Introduction & opening address
Jim Barber (UNE Vice Chancellor)

11:10am Why does it matter where animals urinate?
Keith Betteridge (AgResearch NZ)

11:20am Active Optical Sensors for grazing systems research
David Lamb (UNE PARG)

11:30am GNSS monitoring of temperament variations in cattle
Lauren Williams (University of Sydney – Masters candidate)

11:35am Spatially enabled livestock management: increasing biomass utilisation in rotational systems
Jessica Roberts (UNE PARG – PhD candidate)

11:40am Lunch (ASAP close)

1:00pm Keynote Address: The state of the art in movement and behavioural modelling in ecology
Toby Paterson (CSIRO)

1:45pm Research directions in Northern Australia – the development of CSIRO’s Lansdowne Research Station
Greg Bishop-Hurley (CSIRO)

1:55pm On saleyards and surveillance – using livestock movement records for risk-based surveillance planning
Kerryn Graham (CSIRO)

2:05pm GNSS livestock tracking at the University of Sydney
Greg Cronin (University of Sydney)

2:15pm Linking GPS and satellite remote sensing to monitor animal behaviour and environmental interactions
Rebecca Handcock (CSIRO)

2:25pm New tools in spatio-temporal grazing systems research
Mark Trotter (UNE PARG)

2:30pm Understanding sheep grazing in complex pastures to better manage natural resources and production outcomes
Felicity Cox (Charles Sturt University - PhD candidate)

2:35pm Spatio-temporal monitoring of sheep to investigate shelter and shade use
Geoff Hinch (UNE PARG)

2:40pm Afternoon tea

3:10pm The business case for investment in development of precision livestock management technologies and applications
Rod Dyer (Meat and Livestock Australia)

3:30pm Does peer training facilitate adaption in young cattle relocated from the rangelands to a temperate agricultural grazing system
Dean Thomas (CSIRO)

3:40pm Precision livestock production and environmental influences
Graham Donald (CSIRO & UNE PARG)

3:50pm Translating industry research to farm profit improvement - a commercially viable approach to precision livestock and remote monitoring in Australia
Chris Andrews (Taggle Systems)

4:00pm Bayesian change-point analysis of grazing sheep behaviour to identify lambing
Robin Dobos (Industry and Investment NSW & UNE PARG)

4:10pm Symposium close

6:30pm Informal dinner – Wicklow Hotel