

# DRAFT PROGRAMME



## Tuesday, 10 August

- 08:00–10:00 **Opening of virtual showroom**
- 10:00–10:15 **Congress theme introduction and housekeeping (LIVE)**  
*Robyn Joubert, chair: SASAS Northern Branch*
- 10:15–10:30 **Welcoming address**  
*Prof. Norman Maiwashe, SASAS president*
- 10:30–10:45 **Honorary president's address**  
*Keith Ramsay, SASAS honorary president*
- 10:45–11:00 **Formal opening of the 52<sup>nd</sup> SASAS Congress**  
*Prof. Barend Erasmus, Dean: Faculty of Natural and Agricultural Sciences, University of Pretoria*
- 11:00–11:40 **Keynote 1: Communicating animal science: A global perspective**  
*Dr Theo de Jager, president: World Farmers Organization*
- 11:40–12:20 **Keynote 2: Communicating animal science: A local perspective**  
*Dawie Roodt, chief economist: Efficient Group*
- 12:20–13:30 LUNCH BREAK
- 13:30–14:00 **Keynote 3: Communicating animal science to the farmer (to ensure uptake)**  
*Prof. Donagh Berry, research officer and statistical geneticist, Teagasc Research Centre*
- 14:00–14:30 **Panel discussion (LIVE)**  
Panellists: *Dr Theo de Jager, Dawie Roodt, Prof. Donagh Berry*  
Facilitator: *Albert Loubser*
- 14:30–14:45 BODY BREAK

	<b>COMMUNICATION</b>	<b>RUMINANT NUTRITION</b>	<b>MONOGASTRIC NUTRITION</b>
14:45–15:15	<b>Communication of science in writing</b> <i>Prof. Michael MacNeil, breeding and genetics specialist, Delta G</i>	<b>Ruminant nutrition in a VUCA world</b> <i>Dr Francois van de Vyver, national technical manager, Voermol</i>	<b>An animal scientist's contribution towards a more sustainable world</b> <i>Chantelle Fryer, technical sales manager, Evonik</i>
15:15–15:30	<b>Communicating technical information to the industry</b> <i>Dr Pieter Henning, freelance animal scientist</i>	Effect of dietary protein quality and amino acid supplementation on performance of high-producing Jersey cows grazing ryegrass pasture <i>Ranier van Heerden</i>	Effects of an iron amino acid chelate on broiler blood physiology associated with the incidence of ascites <i>Kyle Venter</i>

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15:30–15:45	<b>Writing for the right audience</b> <i>Liza Bohlmann, chair: Agricultural Writers SA</i>	Manipulation of the rumen environment to increase the rumen undegradable fraction of feedstuffs <i>Waldo van Rensburg</i>	Effect of $\omega$ -3 lipid sources on production performance of laying hens at peak production <i>Beate Potgieter</i>
15:45–16:00	<b>Decoding the science</b> <i>Thato Moagi-Mugonda, agripreneur and app developer</i>	Bioactive phytonutrient evaluation of <i>Acacia mearnsii</i> and <i>A. dealbata</i> leaves for ruminant production <i>Tulimo Uushona</i>	Carcass, internal organs, and meat quality of broilers supplemented with <i>Moringa oleifera</i> leaf extracts <i>Dr Chidozie Freedom Egbu</i>
16:00–16:15	Q&A session via chatroom		
16:15–17:00	SASAS awards ceremony		

## Wednesday, 11 August

08:00–8:30	<b>SASAS student quiz winning team announcement</b> <i>Plaas TV / Farm TV, <a href="https://www.youtube.com/channel/UC8UyKudlhB1OzbEcSRO1S3A">https://www.youtube.com/channel/UC8UyKudlhB1OzbEcSRO1S3A</a></i>
10:00–10:40	<b>Keynote 4: Why well-raised meat is good for you and the planet</b> <i>Diana Rodgers, executive director: Global Food Justice Alliance</i>
10:40–11:20	<b>Keynote 5: Debunking myths about animal production</b> <i>Prof. Peer Ederer, director: Global Food &amp; Agribusiness Network</i>
11:20–11:35	BODY BREAK
11:35–12:10	<b>Keynote 6: The future of agribusiness and dealing with a changing consumer</b> <i>Russell du Preez, chair: Russellstone Group</i>
12:10–12:40	<b>Panel discussion (LIVE)</b> Panellists: <i>Diana Rodgers, Prof. Peer Ederer, Russell du Preez</i> Facilitator: <i>Albert Loubser</i>
12:40–14:00	LUNCH BREAK

**BREEDING & GENETICS****PHYSIOLOGY****SUSTAINABILITY &  
ANIMAL WELFARE**

14:00–14:30	<b>SA animal breeding and genetics 2021: Can it be seen as reliable, relevant and is it carried out responsibly?</b> <i>Dr Japie van der Westhuizen, general manager, SA Stud Book</i>	<b>Influence of age &amp; BCS on oestrous synchronisation response and reproductive performance of Bapedi ewes</b> <i>Dr Ayanda Maqhashu, lecturer, University of Pretoria</i>	<b>Sustainability: the agro-ecological approach</b> <i>Dr Heinz Meissner, animal science consultant</i>
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| 14:30–14:45 | Application of genomic breeding values in Bonsmara cattle<br><i>Dr Robert van der Westhuizen</i>                         | The influence of flushing diet on follicular dynamics and lambing success of Dohne Merino ( <i>Ovis aries</i> ) ewes<br><i>Dr Helet Lambrechts</i>  | Adaptive capacity of smallholder livestock farmers to the impacts of climate change<br><i>Dr Thomas Raphulu</i>                               |
| 14:45–15:00 | The effect of incomplete reproduction data on the selection of replacement ewes<br><i>Dr Willem Olivier</i>              | Oestrous response and fertility of Merino ewes following two synchronisation protocols<br><i>Sibonelo Mmelokuhle Hlatshwayo</i>                     | Water scarcity management strategies for dryland sheep meat production and quality<br><i>Dr Obert Chikwanha</i>                               |
| 15:00–15:15 | The carbon footprint of diverse beef cattle genotypes in SA and its environmental impact<br><i>Nelly Thuli Chabalala</i> | An assessment of the current status of reproductive management practices and performance on SA smallholder dairy herds<br><i>Ntombizodwa Bovula</i> | Evaluation of layer behaviour in a floor system using human and video-based observation on a commercial farm in SA<br><i>Timothy Chilemba</i> |
| 15:15–15:30 | Q&A session via chatroom   |   |   |

## Thursday, 12 August

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| 08:00–10:00 | <b>SASAS annual general meeting</b> (Closed meeting)   |
| 10:00–10:10 | <b>Poster winners and SASAS student quiz winning team announcements (LIVE)</b>   |
| 10:10–10:50 | <b>Keynote 7: Integrating improved health, welfare, and productivity to improve sustainability</b><br><i>Prof. Jude Capper, livestock sustainability consultant</i>              |
| 10:50–11:10 | <b>Keynote 8: Rethinking methane – Dairy's path to climate neutrality</b><br><i>Prof. Frank Mitloehner, professor and air quality cooperative extension specialist: UC Davis</i> |
| 11:10–11:25 | BODY BREAK   |
| 11:25–12:05 | <b>Keynote 9: Forge your future</b><br><i>John Sanei, author and futurist</i>  |
| 12:05–12:35 | <b>Panel discussion (LIVE)</b><br>Panellists: <i>Prof. Jude Capper, Prof. Frank Mitloehner, John Sanei</i><br>Facilitator: <i>Albert Loubser</i>                                 |
| 12:35–13:45 | LUNCH BREAK  |



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	<b>MEAT SCIENCE</b>	<b>PRODUCTION SYSTEMS</b>	<b>APPLIED ANIMAL SCIENCE</b>
13:45–14:15	<p><b>Misconceptions about fats and fatty acids in red meats and human health</b></p> <p><i>Prof. Edward Webb, professor, University of Pretoria</i></p>	<p><b>Livestock production from fertilised pastures in SA</b></p> <p><i>Dr Trevor Dugmore, vice president, SASAS</i></p>	<p><b>Structure, composition, and relationships of the reference populations for SA Holstein and Jersey cattle</b></p> <p><i>Prof. Mahlako Makgahlela, senior researcher, ARC</i></p>
14:15–14:30	<p>Slaughter and carcass characteristics of cross-bred lambs finished in a pasture-based system</p> <p><i>Pieter Theron</i></p>	<p>Calving percentage of beef heifers mated at 14 or 24 months of age under extensive bushveld conditions</p> <p><i>Dr Marsia Grobler</i></p>	<p>Animal science, advisory service and land redistribution in SA: Are the animal scientists geared up for communicating relevant advices to emerging farmers</p> <p><i>Dr Siphe Zantsi</i></p>
14:30–14:45	<p>The effect of rabbit genotype on carcass and meat quality characteristics</p> <p><i>Janné van Niekerk</i></p>	<p>The effect of planting different grain-legume mixtures on the dry matter yield and predicted milk production of Holstein cows in the Swartland area, Western Cape</p> <p><i>Marline Burger</i></p>	<p>Report on the guide of care and use of agricultural animals in research and teaching</p> <p><i>Prof. Michael MacNeil</i></p>
14:45–15:00	<p>Differences in growth, wool traits, and lamb survival of SAMM and Dormer sheep in the same environment</p> <p><i>Shannon Steyn</i></p>	<p>A framework to monitor and evaluate vulnerability of smallholder livestock farmer: a case study of Limpopo &amp; Mpumalanga</p> <p><i>Prof. Edward Nesamvuni</i></p>	<p>Perceptions of consumers, retailers and their attitude towards rabbit meat in KZN province, SA</p> <p><i>Dr Zikhona Rani-Kamwendo</i></p>
15:00–15:15	Q&A session via chatroom		
15:15–15:30	<p><b>Recap and take-home message (LIVE)</b></p> <p><i>Dr Theo de Jager, president: World Farmers Organization</i></p>		
15:30	<p><b>Farewell address (LIVE)</b></p> <p><i>Prof. Norman Maiwashe, SASAS president</i></p>		