

# Stress Resilience Forum 2015

## Programme - Global Plant Council Stress Resilience Symposium

**October 23rd 2015**

### Session 1 – Food Security Challenges

09:00 – 09:10 Introductions

09:10 – 09:40 Matthew Reynolds – CIMMYT, Mexico  
Adapting wheat to climate change

09:40 – 10:10 Sarah Gurr - University of Exeter, UK  
Distribution and Impact of Crop Pest and Pathogens

10:10 - 10:40 Jean Marcel Ribaut - CGIAR  
Impact of climate change on food production

10:40 - 11:00 Break

11:00 - 11:30 Martin Parry – Lancaster University, UK  
Capturing more carbon while using water and nutrients more effectively

11:30 - 12:00 Abstract

### 12:00 - 13:00 Lunch Break

### Session 2 Improving stress tolerance in variable environments

13:00 - 13:30 Andrew Borrell - University of Queensland, Australia  
Physiological and molecular bases of drought adaptation in sorghum

13:30 - 14:00 Vincent Vadez – ICRISAT, India  
Adapting to heat and drought: case studies from cereals and legumes

14:00- 14:30 Francois Tardieu – INRA, France  
Rethinking our understanding of drought tolerance

14:30- 15:00 Scott Chapman – CSIRO  
Computational and quantitative genetic approaches to improve the efficiency of breeding programmes

15:00- 15:30 Lyza Maron – Cornell University (TBC)  
Global approaches to aluminium tolerance

### 15:00 - 15:30 Break

### Session 3 - Innovating for Stress Resilience

15:30 Ariel Orellana - Universidad Andrés Bello, Chile  
Mining genes for climate change

16:00 Katherine Denby - University of Warwick, UK  
Systems approaches to Plant Stress

16:30 Xin-Gunag Zhu – Shanghai Institute of Biological Sciences, China  
Redesigning crops for increased yield and resource use efficiency

17:00 Elizabete Carmo-Silva – Lancaster University, UK (TBC)

High throughput field phenotyping

#### **Session 4**

17:30 – 18:15 Short Poster Talks

18:15 – 19:30 Poster Session and drinks

#### **Dinner**

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### **October 24th 2015**

#### **Session 5 Agricultural Innovation Systems**

09:00 – 09:30 Bill Davies – Lancaster University, UK  
Increasing the water productivity of agriculture: impacts on crop production and landscape management

9:30 – 10:00 Jianbo Shen – China Agricultural University  
Increasing the sustainability of nutrient use in agriculture

10:00 -10:30 Abstract

10:30 -11:00 Break

11:00 – 11:30 Roberto Tuberosa – University of Bolgna, Italy  
Increasing the water productivity of agriculture: impacts on crop production and landscape management

11:30-12:00 Abstract

#### **12:00-13:00 Lunch**