Climate Smart Agriculture is a multi-disciplinary approach to practice agriculture. It focuses on sustainably enhancing agricultural productivity while also increasing the resilience of farmers to climate change impacts and reducing agriculture’s contribution to global greenhouse gas emissions. In today’s world, nearly one in every seven individuals suffers from malnutrition while a similar number are obese. Ensuring food security and food nutrition for the world’s growing population in the face of climate change is one of the most pressing grand challenges of our times. The progressive realization of the right to adequate food in the context of national food security is more difficult in the face of climate change, and smallholder farmers, often women and indigenous peoples, are acutely vulnerable.
The panel will focus on the advances we have made in agricultural production systems and how could we make agriculture more climate resilient and climate smart. Would we be able to meet or exceed our target over the next 36 cropping seasons by 2050? What would it take, locally and globally, to achieve climate smart agriculture? What climate and real-time weather resources are available to enable climate smart agriculture - from our research offices, down to global “last-mile” implementation levels at the smallholder farms? The panel will discuss new technology capabilities that transcend previous discipline barriers as they impact the rapidly changing Climate Smart Agriculture frontier, what it means for our future, and how CSU can contribute.

**Panelists**

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