The population growth in the world demands an increased supply of nutritious food. By 2050, the expected 9.5 billion people in the world will require food production systems to yield double the present levels of food supply. A major challenge is to get extra yield from our crops without any increase in the arable agricultural areas.

In his talk, Dr Peacock will elaborate on the production challenges which can be met with advances in agriculture, new capabilities in the genetic makeup of crops, new management practices and improved understanding of the production environments. He will also discuss recent advances of gene expression, ways in which crops can overcome marauding pests and disease and capability of genes, leading to higher yields and improving the health giving properties of food.

SPEAKER
Dr Jim Peacock AC, FAA, FRS, FTSE, FAIAST
Professor, University of Technology Sydney

Dr Peacock is a Fellow at the Commonwealth Scientific and Industrial Research Organisation (CSIRO). He was Australia’s chief scientist (2006-2008) and President of the Australian Academy of Science (2002-2006). Dr Peacock is an outstanding scientist and is highly respected by the science, engineering and technology community. He is an award winning molecular biologist, a fervent science advocate, and recognised internationally in the field of plant molecular biology and its applications in agriculture.

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