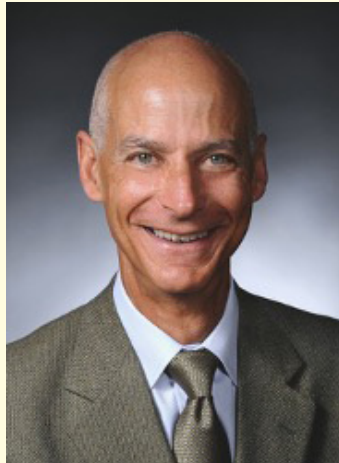




COTTON WEBINARS

WCRC-7 PLENARY MONTHLY LECTURE SERIES

8.00 to 10.00 AM (Eastern Time) 3 February 2021



Prof. Jonathan F. Wendel

Distinguished Professor, Department of Ecology, Evolution, & Organismal Biology, Iowa State University

Topic: Genes, jeans, and genomes; what we now know about the evolution of *Gossypium* and the origin of the polyploids

Prof Jonathan Wendel is the world's leading scientist in comparative evolutionary genomics of cotton. His research has helped shape our understanding of the myriad genomic consequences of allopolyploidy, where two diverged diploid genomes become reunited in a common nucleus. His laboratory has illuminated the evolutionary processes of intergenomic gene conversion, homoeolog expression bias, duplicate gene coregulation and expression dominance, biased fractionation, and the evolutionary trajectories of duplicated networks. His 300+ research papers have received an outstanding 42,200 citations at an amazing H-index of 101. Prof Wendel received several prestigious awards including- Master Teacher in 2005, Distinguished Professor in 2012 for national research prominence, and Outstanding Achievement in Departmental Leadership in 2009. His work has garnered national recognition, as evidenced by his election as an AAAS Fellow in 2010, Distinguished Fellow of the Botanical Society of America in 2015, and Distinguished Scholar, Crop Science Society of America in 2015, among other awards.



Dr. Edward (Ed) M. Barnes

Senior Director, Agricultural and Environmental Research Division, Cotton Incorporated, North Carolina

Topic: Increasing automation & robotic applications in cotton

Dr. Edward Barnes is an outstanding scientist who has been leading efforts to increase the automation of cotton production systems. For the last eighteen years, Dr. Barnes has managed agricultural engineering related projects, including programs on: precision farming, ginning, irrigation management, conservation tillage, and cotton harvest systems. He has also played a significant role in documenting cotton's progress in reducing its environmental footprint while at the same time increasing productivity and currently serves on the Science Advisory Council of Field to Market, The Alliance for Sustainable Agriculture. Dr. Barnes received his PhD in Biosystems Engineering from Oklahoma State University. He is a Fellow of the American Society of Biological and Agricultural Engineers (ASABE). Dr. Barnes was honoured with the National Cotton Ginner Association's Charles C. Owen Distinguished Service Award in 2019. In 2013, he was awarded the National Conservation Systems Precision Agricultural Researcher of the Year award, and in 2014, the ASABE Mayfield Cotton Engineer of the Year Award.

FORTHCOMING MONTHLY WEBINAR LECTURES

Dr. PG Patil: Wealth from Waste: Cotton By-product Value Addition

Dr. John Yu: The Power of Cotton Genomics

Dr. Mehboob Rahman: Genomic-assisted Breeding in cotton

Mr. Allan Williams: The Challenges with Cotton Sustainability

Dr. Marcelo Paytas: Is Cotton Water Thirsty or a Drought Loving Crop?

Dr. Bruno Bachelier & Dr. JP Gourlot: The Great Cotton Value Chain

