Webinar:
Are 2-D orchard canopy management systems a leap forward or a side-step?

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https://us02web.zoom.us/webinar/register/WN_QSLYz8CITA6k7M7yk6k77A
The International Society for Horticultural Science invites you to the first episode of Hort Forum:

**Are 2-D orchard canopy management systems a leap forward or a side-step?**

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**Abstract**
Since the 1970s, fruit scientists have understood that quality of tree fruit crops is related to the exposure of the fruit and the surrounding leaves to light. This has led to more narrow canopies with higher light distribution which resulted in improved fruit quality. Concurrently, pioneers in high-density plantings have shown that early yield and cumulative yield are higher and fruit quality is better with high-density orchards and this has resulted in large improvements in lifetime profitability. Since the early 2000s, there has been a trend toward even more narrow canopies (fruiting walls) often termed 2-D systems. Those advocating these narrow systems report improved fruit quality and the possibility of easier mechanization, especially now that robotic mechanical harvesters are being developed. However, there is little data indicating that such canopies will outyield more traditional high-density canopies and more importantly that they are more profitable than a 3-D high-density system. This presentation is aimed at stimulating a scientific discussion of the value of 2-D systems and whether they represent an important leap forward in tree fruit production from an economic perspective.
**Short Bio**

Terence Robinson is a Research and Extension Professor of Horticulture at Cornell University located at the Cornell AgriTech Campus in Geneva, New York State. His research program is aimed at developing advanced orchard management practices to improve yield, fruit quality and profitability of apple, cherry, peach, and pear orchards. His areas of specialization are light interception and utilization, orchard planting systems, rootstocks, economics of high-density orchards, pruning and training, precision crop load management, and fertigation. He is the co-leader of Cornell’s apple rootstock program. He received his BS degree in Agronomy and Horticulture from Brigham Young University in 1978 and his MS and PhD degrees in Horticulture from Washington State University in 1982 and 1984 and has been at Cornell for 38 years. He has published 200 scientific publications given 250 presentations, at scientific conferences and published 400 articles for fruit growers and given more than 1000 presentations to fruit grower groups. He has contributed his expertise in fruit production in more than 20 countries.