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ATR Founder and CEO Jackson Yang Named Maryland's "Clean Energy Entrepreneur of the Year"

Dr. Yang recognized for ATR's innovative tracking solar devices

October 28, 2011, Baltimore, MD – Dr. Jackson Yang, founder and chief executive officer of Columbia-based ATR Corporation and ATR Solartech, was named Maryland's "Clean Energy Entrepreneur of the Year" today at the second Maryland Clean Energy Summit. He received the honor in recognition of his creation of ATRSolartech and its development and manufacture of a line of highly efficient clean-energy devices built around the company's unique tracking solar technology. The award, given by the Maryland Clean Energy Center, "recognizes an individual or new company that brings new technologies, products or services" to Maryland. This is the second "Entrepreneur of the Year" award bestowed so far.

"I am extremely proud and honored to accept this award on behalf of ATR and our very dedicated and innovative staff," Yang said. "In particular, I would like to single out Rob Lundahl, Vice President for ATRSolarTech and Automation Systems at ATR." The development and production of our tracking solar devices would not have been possible without his creativity, vision, leadership and hard work, as well as the dedication and talent of the members of the group he leads at ATR."

"After creating ATR Solartech over two years ago, we were very fortunate to receive last year a Clean Energy Economic Development Initiative (CEEDI) grant from the Maryland Energy Administration and the U.S. Department of Energy," Yang continued. "We applied for the grant because I believed that ATR's innovative team could commercialize energy-efficient green technologies right here in Maryland. With this assistance from state and federal government, ATR has now diversified its manufacturing capabilities to help meet the needs of Maryland's growing clean energy sector. And we're very proud to contribute to employment and economic growth in our state," Yang concluded. Nearly all components of ATR's tracking solar devices are manufactured and assembled in Maryland.

Dr. Yang is a shining example of an immigrant success story. He came to Maryland from China with his parents in 1948, attended local public schools, and then received "a very fine education" and several engineering degrees from

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the University of Maryland. He went on to teach mechanical engineering there for 38 years and founded and led the University's Robotic and Structural Dynamic Laboratories, before retiring as Professor Emeritus.

Along the way, desiring to do more to turn advanced engineering ideas into practical applications, he started ATR in 1973 and directed the company to develop techniques to improve precision in robotics operations and real-time adaptive control. Recently, Dr. Yang has focused ATR on applying robotics and automation technologies to naval systems, renewable energy and postal operations.

In the past year, ATR has developed a family of high-efficiency, pole-mounted photovoltaic solar power generators for commercial and residential uses. These products all track the sun using GPS technology, producing over 30% more energy than fixed solar panels and requiring only minimal ground footprints. ATR's innovative solar-tracking products include:

- Lighting pole mounted systems for generating solar power in parking facilities and along roadways;
- Simple post-mounted systems for residential clean energy production;
- The first solar-tracking Electric Vehicle charger in Maryland, which debuted in Bethesda in August with a ribbon-cutting by the Governor and other public officials; and
- The first integrated wind-solar hybrid power system of substantial capacity, being produced and marketed jointly with the leading American small wind system company, Southwest Windpower.

"Our approach to meeting Maryland's renewable energy goals involves distributed generation of solar power," Yang said. "That is, we generate solar power in easy-to-manage quantities, very close to where it is actually used. And for the best economics and easiest deployment, we piggy-back on existing infrastructure, whether it is light poles, wind turbine towers, the utility grid, or even backyard fence posts!"

"Maryland has always been supportive of me personally as well as professionally," Yang added. "I wanted to be equally supportive of my state when Governor O'Malley issued a challenge to high-tech companies like ATR to create new jobs and work towards the goal of generating 20% of Maryland's energy from clean, renewable sources by 2022," he continued. "The award we were so honored to receive today, recognizing ATR's efforts in this area, will give us even more momentum to expand our technology development and manufacturing activities here in our home state," Yang concluded.

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*ATR Solartech, a unit of Advanced Technology & Research Corp. (ATR), designs and manufactures innovative solar energy products for the world market (*www.ATRsolartech.com).