

NEWS RELEASE

COMPANY CONTACT

Doug Baker
Applied Nanotech Holdings, Inc.
248.391.0612
dbaker@appliednanotech.net

Applied Nanotech Board Elects Paul Rocheleau Vice-Chairman

Austin, TX, October 20, 2009 – Applied Nanotech Holdings, Inc. (OTC BB: APNT) announced that Paul Rocheleau has been elected Vice-Chairman of the Company’s Board of Directors. In his role as Vice-Chairman, Paul will take an increased role in guiding company activities, with a focus on helping monetize our intellectual property by exposing it to strategic users with the ability to bring product rapidly to market and generate revenue for the Company.

Mr. Rocheleau has extensive experience in the global materials and chemicals industry. He is currently Chairman of the Board and Chief Investment Officer of Virginia Biosciences Commercialization Center. Over the past three years, he provided strategic and financial advisory services for a range of technology and industrial companies as a Managing Director at Cary Street Partners, a regional investment banking firm based in Richmond, Virginia. Prior experience included positions as Senior VP and Chief Financial Officer of Albermarle Corporation, a \$2.0 Billion NYSE listed chemical company, and 15 years, including three as CEO, with Albright & Wilson, PLC, a \$1.2 billion multinational chemical company.

Mr. Rocheleau currently serves on the Board of Directors of NanoChemonics, a specialty nanomaterials company and serves on the Advisory Board Apex Systems, a \$400 million IT staffing company. He also is a Founding Trustee of the Virginia Commonwealth University School of Engineering, where he currently serves as President of the Foundation.

“Paul has become integrally involved with us as a strategic advisor,” said Doug Baker, Chief Executive Officer of APNT. “His new perspective has been invaluable to us and his increased level of involvement will be very helpful to us as we continue to increase our revenue and move the company to profitability.”

“I am excited by the wealth of opportunities in front of us,” said Paul Rocheleau, Director of APNT. “I am looking forward to helping bring these revolutionary technologies to market.”

“All of our Board Members are working harder than ever to make the company successful,” said Dr. Robert Ronstadt, Chairman of APNT. “It is encouraging to see that Paul is willing to go above and beyond the call of duty. His background in strategy and financing of emerging technologies will be very helpful in the years ahead.”

The Company also announced that its updated website is live today. Investors are invited to submit comments or suggestions related to the website through the investor contact information on the website, or through the contact information above.

ABOUT APPLIED NANOTECH HOLDINGS, INC.

Applied Nanotech Holdings, Inc. is a premier research and commercialization organization focused on solving problems at the molecular level. Its team of PhD level scientists and engineers work with companies and other organizations to solve technical impasses and create innovations that will create a competitive advantage. The business model is to license patents and technology to partners that will manufacture and distribute products using the technology. Applied Nanotech has over 250 patents or patents pending. APNT also possesses investments related to electronic digitized sign technology. Applied Nanotech's website is www.appliednanotech.net.

SAFE HARBOR STATEMENT

This press release contains forward-looking statements that involve risks and uncertainties concerning our business, products, and financial results. Actual results may differ materially from the results predicted. More information about potential risk factors that could affect our business, products, and financial results are included in our annual report on Form 10-K for the fiscal year ended December 31, 2008, and in reports subsequently filed by us with the Securities and Exchange Commission ("SEC"). All documents are available through the SEC's Electronic Data Gathering Analysis and Retrieval System (EDGAR) at www.sec.gov or from our website listed above. We hereby disclaim any obligation to publicly update the information provided above, including forward-looking statements, to reflect subsequent events or circumstances.

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