

1. **Name:** Arto V. Nurmikko
2. **Education:** PhD Electrical Engineering, University of CA, Berkeley 1972
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Hebrew University of Jerusalem Postdoctoral Fellow 1972–1973 full-time
MIT, Electrical Engineering Department Research Associate 1973–1975 full-time
Brown University Professor of Engineering and Physics 1975–1994 full-time
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Fellow, American Physical Society, 1991
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John S. Simon Guggenheim Fellow, 1992.
Elected Member of the American Academy of Arts and Sciences, 2010.
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8. **Service Activities:**
Brown University:
Director, Center for Advanced Materials Research 1989–2001
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9. **Principal Publications (1990-2025):**

123. "ZnTe/MnTe; A new Metastable Wide Gap II-VI Heterostructure", S. Durbin, M. Kobayashi, R. Gunshor, Q. Fu, N. Pelekanos, and A.V. Nurmikko, *Surface Science* **228**, 33 (1990)

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127. "Spectroscopy on CdTe/MnTe and ZnTe/MnTe Single Quantum Wells; New Binary II-VI Heterostructures", N. Pelekanos, Q. Fu, A.V. Nurmikko, S. Durbin, M. Kobayashi, and R. Gunshor, *J. Crystal Growth* **101**, 628 (1990)
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130. "Molecular Beam Epitaxy of Wide Bandgap II-VI Compounds", R. Gunshor, L. Kolodziejski, and A. Nurmikko, *J. Crystal Growth* **99**, 390 (1990)
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133. "Excitons and Phonons in CdTe/MnTe and ZnTe/MnTe Single Quantum Well Structures", A.V. Nurmikko, *Phys. Stat. Sol. (b)* **159**, 107 (1990)
134. "Room Temperature Blue Lasing Action in (Zn,Cd)Se/ZnSe Optically Pumped Multiple Quantum Well Structures on Lattice Matched (Ga,In)As Substrates", H. Jeon, J. Ding, A.V. Nurmikko, H. Luo, N. Samarth, J. Furdyna, W. Bonner, and R. Nahory, *Appl. Phys. Lett.* **57**, 2413 (1990)
135. "Ultraviolet and Blue Holographic Lithography of ZnSe Epilayers and Heterostructures with Resolution to 100 nm and Below", W. Walecki, W. Patterson, A.V. Nurmikko, H. Luo, N. Samarth, J. Furdyna, M. Kobayashi, S. Durbin, and R. Gunshor, *Appl. Phys. Lett.* **57**, 2641 (1990)
136. "Hot Luminescence in ZnTe/MnTe Quantum Wells: Role of Confinement, Excitons, and Disorder", N. Pelekanos, J. Ding, A.V. Nurmikko, S. Durbin, M. Kobayashi, and R. Gunshor, *Phys. Rev.* **B43**, 9354 (1991)

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