

ROBERT W. DUNN
Professor, Department of Physics
Hendrix College
1600 Washington Avenue
Conway, Arkansas 72032

EDUCATION

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|-----------------------------------|-----------|-------------|
| University of New Mexico | Physics | Ph.D., 1983 |
| Air Force Institute of Technology | Physics | M.S., 1976 |
| University of Texas at Austin | Education | B. S., 1965 |

PROFESSIONAL APPOINTMENTS

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|----------------|---|
| 1988 - Present | Hendrix College, Professor of Physics |
| 2003 - 2009 | Adjunct Senior Research Fellow, University of Canterbury Christchurch, New Zealand |
| 1986 - 1988 | U.S. Military Academy, Associate Professor of Physics |
| 1983 - 1986 | U.S. Air Force Academy, Associate Professor of Mathematical Sciences |
| 1976 - 1979 | Kirtland Air Force Base, Physicist |
| 1968 - 1974 | Charleston and McGuire Air Force Bases - Avionics Maintenance Officer |

PUBLICATIONS REFEREED JOURNALS

- R. W. Dunn, H.H. Mahdi, H. J. Al-Shukri, "Design of a relatively inexpensive ring laser seismic detector," Bull. Seism. Soc. Am. **99-2B** April 2009, doi: 10.1785/0120080092.
- R. B. Hurst, R. W. Dunn, K. U. Schreiber, "Mode behaviour in ultra-large ring lasers," Appl. Opt. **43**, 2337-2346 (2004).
- R. W. Dunn, D. E. Shabalín, R. J. Thirkettle, G. J. MacDonald, G. E. Stedman, and K.U. Schreiber, "Design and initial operation of a 367 - m² rectangular ring laser," Appl. Opt. **41**, 1685 -1688 (2002).
- B. E. Currie, G. E. Stedman, and R. W. Dunn, "Laser stability and beam steering in a nonregular polygonal cavity," Appl. Opt. **41**, 1689-1697 (2002).
- R.W. Dunn, "Charged Particle Detection in Rocket Plumes for Monitoring Engine Distress," Int. J. Turbo & Jet-Engines, Vol. 16, No.4 (1999).
- R.W. Dunn, "Design of a Triangular Active Ring Laser 13m on a Side," Appl. Opt. **37**, 6405-6409 (1998).
- R. W. Dunn, "Multimode Ring Laser Lock-In," Appl. Opt. **28**, 2584-2587 (1989).

- R.W. Dunn, S.T. Hendow, J.G. Small, and E. Stijus, "Gas Laser Mode-Locking Using an External Acoustooptic Modulator with a Potential Application to Passive Ring Gyroscopes," *Appl. Opti.* **21**, 3984-3986 (1984).
- R.W. Dunn, S.T. Hendow, W.W. Chow, and J.G. Small, "Single Mode Operation of Doppler Broadened Laser by Injection Locking," *Opt. Lett.* **8**, 319 (1983).
- S.T. Hendow, R.W. Dunn, W.W. Chow, and J.G. Small, "Observation of Bistable Behavior in the Polarization of Laser," *Opt. Lett.* **7**, 356 (1982).