Hughes Ground Systems, a world leader in Air Defense Ground Environment, Air Traffic Control and Command Control Information Systems, has immediate openings for System Engineers/Analysts in our suburban Southern California facilities.

Our system analysis professionals are engaged in a wide variety of challenging assignments associated with the design and performance evaluation of real-time distributed data processing systems. Responsibilities include requirements analysis, functional analysis, algorithm development, mathematical modeling, computer simulation, technical writing and technical customer interface. Positions include the following:

Senior Staff Engineer—Responsible for review of performance requirements for proposed command and control systems. Develop new algorithms for surveillance functions; multi-radar tracking, sensor registration track-to-track correlation, interceptor guidance and threat evaluation/weapon assignment. Direct analysis activities to quantify expected performance. Advanced degree in Engineering, Math or Physics required, 10 years experience in relevant fields preferred.

Senior Systems Engineer—Review data processing requirements for proposed command and control systems. Perform tradeoffs between candidate system architectures. Provide analytical support to system designers in areas of hardware selection/sizing, network architectures, functional allocations and top level software design. Familiarity with discrete event simulation techniques/tools desired.

Advanced degree in Engineering or Computer Science required plus 10 years experience in data processing systems development preferred.

Lead System Engineering Analysts—Responsible for assuring performance of real-time air defense system. Review performance requirements, develop operational algorithms, perform design tradeoffs, direct math modeling, simulation and analysis activities. Monitor implementation of algorithms and establish test procedures for demonstration of system performance. Advanced degree in Electrical Engineering, Computer Science or Applied Math required with 5-10 years experience preferred.

System Engineering Analysts—Responsible for math modeling, computer simulation development and analysis of hardware and software system architectures. Programming experience with higher order languages desired, particularly FORTRAN, SAS and SIMSCRIPT II.5 Degree in Electrical Engineering, Applied Math or Computer Science required.

Send your resume or some information about your background and interest to Charles T. Petrie, Member of the Staff, Systems Laboratories, Hughes Aircraft Company, Ground Systems Group, Dept. SEEI-7, P.O. Box 4275, Fullerton, CA 92634. Proof of U.S. Citizenship Required. Equal Opportunity Employer.