
DIVISION OF MEDICAL INFORMATICS

The Division of Medical Informatics is a group of medical faculty and computer experts whose functions are to initiate research activities in medical informatics which offer substantial overlap with the clinical and research life of the rest of the school; to lead educational programs and discussions of informatics-related topics related to the conduct of long-term research projects or the improvement of the quality of patient care; and to lead the development of novel prototype applications that may result in useful, institution-wide implementations.

The Division has ongoing collaborations with a number of academic and support units, including the Departments of Surgery and Dermatology, the Miner Library, the Information Systems Division, and the School of Nursing. The Division has recently initiated collaboration with the Rochester Institute of Technology.

Ongoing projects within the Division include: a multipurpose, interdisciplinary, "gold-standard" faculty database using object-oriented technology; a medical imaging database system that will be easily accessible from any authorized clinical care workstation; a Web-based patient profile system targeted at facilitating primary care and ambulatory practices; and a soon-to-be piloted system for e-mail and pager physician alerts for critical laboratory and radiology reports. Additional activities include alternative database technologies for solving specific research support and institutional documentation problems.

New projects include the exploration and design of a clinical data repository and a clinical data warehouse, extending current applications to wireless PDA access, and exploring technologies such as HL7, XML, and Java Server Technology.

The Division also sponsors a Medical Informatics Seminar Series. The purpose of the series is to disseminate knowledge; to educate; to form consensus on standard tools, methods, and platforms; and to spawn new ideas for informatics development.

FACILITIES

To support the development projects, the Division has two high-speed Solaris servers running Oracle8i databases. ColdFusion and JRun application servers provide secure Web-based interfaces to the Oracle databases.

ELECTIVES

An elective program is offered throughout the school year on an individual basis. Students interested in medical informatics projects may undertake specific, well-defined projects under the guidance of faculty and staff.

Faculty of the Division of Medical Informatics

David A. Krusch . . . *Associate Professor of Surgery and Medical Informatics and Director of Division*; Chief Medical Information Officer, Strong Health. B.A. Johns Hopkins, 1979; M.D. 1982.

Professors

David A. Goldstein, Emeritus. A.B. Harvard, 1956; M.D. 1960.

William Simon, and *Biochemistry and Biophysics*. B.S. Carnegie Institute of Technology, 1950; M.A. Harvard, 1952; Ph.D. 1958.

Associate Professor

Robert J. Panzer, and *Medicine*. B.A. Harvard, 1971; M.D. Albany Medical, 1977.

Assistant Professors

Arthur Papier, and *Dermatology*. B.A. Columbia, 1979; M.D. Vermont (Burlington), 1988.

D. Jerome Powell, and *Chief Information Officer*, Strong Health. B.S. SUNY (Albany), 1973; M.B.A. Rochester, 1984.

Julia Sollenberger, and *Director, Edward G. Miner Library*. B.A. Manchester (Indiana), 1972; M.L.S. Indiana, 1977.

Clinical Instructor

Egan F. Allen, and *Medicine*. B.S. Wisconsin (Madison), 1989; M.D. Rochester, 1993.

Assistant

Marco J. Casale, and *Lead Interface Programmer Analyst*, ISD. B.S., Rochester Institute of Technology, 1991.

