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## DAVID F LOBACH, ASSOCIATE PROFESSOR OF COMMUNITY & FAMILY MEDICINE AND BIOMEDICAL ENGINEERING

Applied use of computer technology in healthcare

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### Education:

M.D., Duke University School of Medicine, 1987  
 M.S., Duke University, 1994  
 Ph.D., Duke University, 1986

### Specialties:

Computer Engineering

### Duties:

Chief, Division of Clinical Informatics

### Representative Publications (More Publications)

DF Lobach, DE Detmer, *Research challenges for electronic health records.*, American journal of preventive medicine, Netherlands, vol. 32 no. 5 Suppl (May, 2007), pp. S104-11 [abs].

DF Lobach, K Kawamoto, KJ Anstrom, ML Russell, P Woods, D Smith, *Development, deployment and usability of a point-of-care decision support system for chronic disease management using the recently-approved HL7 decision support service standard.*, Studies in health technology and informatics, Netherlands, vol. 129 no. Pt 2 (2007), pp. 861-5 [abs].

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DF Lobach, V Hasselblad, BM Wildemuth, *Evaluation of a tool to categorize patients by reading literacy and computer skill to facilitate the computer-administered patient interview.*, AMIA ... Annual Symposium proceedings / AMIA Symposium. AMIA Symposium, United States (2003), pp. 391-5 [abs].

DF Lobach, R Low, JA Arbanas, JS Rabold, JL Tatum, SD Epstein, *Defining and supporting the diverse information needs of community-based care using the web and hand-held devices.*, Proceedings / AMIA ... Annual Symposium. AMIA Symposium, United States (2001), pp. 398-402 [abs].

DF Lobach, N Kerner, *A systematic process for converting text-based guidelines into a linear algorithm for electronic implementation.*, Proceedings / AMIA ... Annual Symposium. AMIA

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DF Lobach, CS Gadd, JW Hales, P Baskaran, *Siegfried: System for Interactive Electronic Guidelines with Feedback and Resources for Instructional and Educational Development.*, Medinfo. MEDINFO, CANADA, vol. 9 Pt 2 (1998), pp. 827-31 [abs].

DF Lobach, WE Hammond, *Computerized decision support based on a clinical practice guideline improves compliance with care standards.*, The American journal of medicine, UNITED STATES, vol. 102 no. 1 (January, 1997), pp. 89-98 [abs].

DF Lobach, CS Gadd, JW Hales, *Structuring clinical practice guidelines in a relational database model for decision support on the Internet.*, Proceedings : a conference of the American Medical Informatics Association / ... AMIA Annual Fall Symposium. AMIA Fall Symposium, UNITED STATES (1997), pp. 158-62 [abs].

DF Lobach, *Electronically distributed, computer-generated, individualized feedback enhances the use of a computerized practice guideline.*, Proceedings : a conference of the American Medical Informatics Association / ... AMIA Annual Fall Symposium. AMIA Fall Symposium, UNITED STATES (1996), pp. 493-7 [abs].

DF Lobach, *A model for adapting clinical guidelines for electronic implementation in primary care.*, Proceedings / the ... Annual Symposium on Computer Application [sic] in Medical Care. Symposium on Computer Applications in Medical Care, UNITED STATES (1995), pp. 581-5 [abs].

K Kawamoto, DF Lobach, *Proposal for fulfilling strategic objectives of the U.S. Roadmap for national action on clinical decision support through a service-oriented architecture leveraging HL7 services.*, Journal of the American Medical Informatics Association : JAMIA, United States, vol. 14 no. 2 , pp. 146-55 [abs].

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