About the Contributors

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Mark Gaynor holds a PhD in Computer Science from Harvard University and is an Associate Professor of Health Management and Policy at Saint Louis University. His research interests include sensor/RFid networks and applications, architecture promoting innovation, applying emerging technology to medical applications, IT for medical applications, standardization in the IT area, designing network-based services, and wireless Internet services. He is Co-PI and PI on several NSF grant projects studying virtual markets on a wireless grid and wireless sensor networks. He is a CTO, member of the board of directors, technical director, and network architect at 10Blade. His first book, Network Services Investment Guide: Maximizing ROI in Uncertain Markets, was published by Wiley.

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Charles H Andrus, MHA, is a Software Developer at St. Louis Children’s Hospital. After receiving Bachelors’ in Science in Computer Science and Biology from Saint Louis University, Charles went on to complete a Master in Health Ad-
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Sherrilynne Fuller, Ph.D., is Professor, Department of Biomedical Informatics and Medical Education, School of Medicine, Professor (Adjunct) Health Services, School of Public Health, and Professor (Joint), Information School, all at the University of Washington (UW), Seattle, Washington. She received her BA (Biology) and MLS (Information Science) degrees from Indiana University, Bloomington, Indiana, USA, and her PhD (Library and Information Science) from the University of Southern California, Los Angeles, California, USA. Fuller served as the founding head of the Division of Biomedical and Health Informatics, School of Medicine, UW, and has led several large-scale campus and regional research and development projects in the areas of biomedical informatics and telemedicine. As Co-Director, Center for Public Health Informatics, Fuller has contributed to the development of innovative information systems and tools to improve public health practice. Fuller has authored teaching cases and frequently uses cases in her teaching of health informatics topics at UW and beyond. She has lectured, taught courses, and worked on health information systems development in resource-constrained countries around the world.

Jennifer Gholson, RHIT, is an Applications Supervisor in the Information Technology Department at Regional Health in Rapid City, SD, where she oversees the clinical applications team who support the clinical modules within the main HCIS. Some of the modules include Computerized Physician Order Entry (CPOE), electronic physician documentation, bedside medication verification. Prior to this, she was an Assistant Director in the Health Information Management Department at Rapid City Regional Hospital, where she served as Project Manager for the Regional Health Scanning Project. She has been with Regional Health for 18 years. She holds an Associate’s degree in Health Information Technology and a Bachelor of Science degree in Health Informatics.
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Biswadip Ghosh is Assistant Professor of Computer Information Systems at MSCD. Dr. Ghosh received his Ph.D. in Information Systems from the University of Colorado. His research interests include healthcare IS, knowledge management, enterprise systems, business processes management, and analytics. His teaching areas are enterprise systems (SAP-ERP), Netweaver tools, MIS, Java, VB, systems analysis and networking. Prior to joining MSCD, he had worked with AT&T/Lucent/Avaya for over 19 years on multimedia messaging, systems, and processes for global service delivery in multiple roles including analyst, project manager, and architect/developer. He has consulted for over 4 years on Healthcare Information Technology (HIT), analytics, and decision support systems. His research is published in AIS, IEEE, ACM, and IFIP sponsored conference proceedings and journals such as MIS Quarterly, Communications of the AIS, Journal of Information Systems Education, International Journal of Technology Management, IEEE Transactions on IT in BioMedicine, IEEE Networks, and Information Systems Management.

Michael H. Kennedy (kennedym@ecu.edu) is Associate Professor and Director of the Health Services Management Program in the Department of Health Services and Information Management at East Carolina University. His research interests focus on health services decision support, simulation, and modeling. He has 35 years experience in teaching and health services administration that have been divided between academic positions and operational assignments in the military health system culminating as the Chief Operating Officer of a small hospital. He earned a PhD in Decision Sciences and Engineering Systems from Rensselaer Polytechnic Institute and a Master of Health Administration from Baylor University, and he is a Fellow in the American College of Healthcare Executives.

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Santhosh Lakkaraju is a Doctoral student at Dakota State University. He holds a BE in Computer Science and Information Technology from SSIET/JNTU, India, and a Masters degree in Information Systems from Dakota State University. His current research interests include healthcare informatics, decision support systems, and predictive analytics. He is working with the Department of Business and Information Systems at Dakota State University. He is a member of AIS and MWAIS.
About the Contributors

Cynthia LeRouge, Ph.D., M.S., C.P.A., is an Associate Professor at Saint Louis University in the Department of Health Policy and Management at the School of Public Health. She holds a joint appointment in the Decision Sciences and Information Technology Management Department, John Cook School of Business. She recently served as a Visiting Scholar at the Center of Disease Control with the Public Health Informatics Fellowship Program. She has over 60 publications including academic journal articles, edited chapters in research-based books, and peer-reviewed conference proceedings. Dr. LeRouge has been recognized with teaching, research, and service awards. Her primary research interests relate to telemedicine, consumer health informatics, and public health informatics. Dr. LeRouge has chaired health care mini-tracks for various information systems conferences and served as guest editor for multiple journal special issues on healthcare related topics. She is currently Co-Editor in Chief of Health Systems Journal. She served as executive officer of the Association of Information Systems Special Interest Group for Healthcare Research for four years. Dr. LeRouge has held various senior management roles in industry, including roles in software and healthcare industry prior to joining academia. She completed her Ph.D. at the University of South Florida.

Karla Ludwig, RN, has served as the Clinical Nurse/Office Manager for Infectious Disease Specialists, PC, since 2010. She began her career in infectious disease and telemedicine within the Infectious Disease Specialist Clinical Office as a Clinical RN in 2005 and later served as a Telemedicine Clinical Coordinator with the Avera Health System, working extensively to enhance and improve the telemedicine services and available resources at the remote and specialist sites. Karla received her Nursing degree from Augustana College in Sioux Falls, SD.

Kelly McLendon, RHIA, CHPS, is a Founder of CompliancePro Solutions, which has developed a state-of-the-art privacy product called PrivacyPro™. Kelly McLendon is also President of Health Information Xperts, a consultancy specializing in healthcare privacy, security, and HIM automation. Kelly’s scope of practice also includes Legal Health Records and EHRs. He currently serves as an analyst for AHIMA on issues ranging from HITECH privacy to meaningful use. Kelly is considered an innovator and is well known for his contributions to the migration of HIM into the electronic environment. He is a well-known speaker and author, recently publishing a new book for AHIMA entitled The Legal Health Record: Regulations, Policies, and Guidelines. He has been recognized with numerous awards, including the 2003 AHIMA Visionary Award and the 2008 FHIMA Distinguished Member, as well as numerous literary awards.
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Sergey Motorny is a Ph.D. candidate at Dakota State University, Madison, SD, with specialization in Healthcare Information Systems. Sergey has worked in the field of information technology for almost ten years. His professional experience includes design and implementation of information systems solutions for prominent universities and Fortune 300 companies. Sergey holds a Bachelor’s degree in Business Administration and Master’s in Computer Information Systems from Nova Southeastern University. His current research interests include electronic health records, clinical collaboration and communication support tools, consumer health informatics, and mobile technology in health care. Sergey lives in Des Moines, Iowa, with his wife Sarah and one-year-old son Phillip.

Nina Multak is an Assistant Clinical Professor in the College of Nursing and Health Professions. She has held faculty appointments at the University of Florida College of Medicine, NOVA Southeastern University, and the Philadelphia College of Osteopathic Medicine. Nina Multak is a 1988 graduate of the Hahnemann University Physician Assistant Program. Her Masters in Physician Assistant Studies was awarded from the University of Nebraska with an emphasis on educational innovation for physician assistant students. Nina Multak maintains professional affiliations with the American Academy of Physician Assistants, Pennsylvania Academy of Physician Assistants, Physician Assistant Education Association, Society for Simulation in Healthcare, ACM, and HIMMS. A Doctoral student in the Drexel University College of Information Science, Nina Multak is advancing her studies in Health Information Technologies.

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Cherie Noteboom is an Assistant Professor at the College of Business and Information Systems at Dakota State University. She holds a Ph.D. in Information Technology from University of Nebraska-Omaha. In addition, she has earned an Education Doctorate in Adult and Higher Education and Administration and an MBA from the University of South Dakota. She has a BS degree in Computer Science from South Dakota State University. Her industry experience runs the continuum from technical computer science endeavors to project management and formal management assignments. She has significant experience working with management information systems, staff development, project management, application development, education, healthcare, mentoring and leadership. She has served on several nursing college advisory boards, YMCA board of directors, and K12 school boards. Cherie is a member of the Project Management Institute and participates in the Special Interest Groups of Healthcare, Information Technology, and Education. She has held the Project Management Professional (PMP) designation since 2000. Noteboom enjoys running, fishing, reading, and travelling.

Marilyn Dahler Penticoff, RN, BSN, has a background in rural nursing, education, and performance improvement. She became involved with telehealth in 1995 as a rural facility site coordinator, where she implemented education and clinical telehealth services. In 2000, Ms. Dahler Penticoff assumed the role of Telehealth Clinical Coordinator at a tertiary medical center and was responsible for policy development, and assisting providers and rural sites in the development of their telehealth practice. Ms. Dahler Penticoff is a Consulting Member of the Great Plain Telehealth Resource and Assistance Center and a Member of the American Telemedicine Association. She earned her BSN from Mount Marty College, Yankton, SD.

Ann Pommer is a Registered Health Information Technician (RHIT), a Certified Coding Specialist (CCS) and a Certified Professional Coder (CPC). She has been working in the health information technology field since 2009. She spent more than two years working with health insurance, claim denials, and reimbursement. She currently works as a medical coder. She has a Bachelor’s degree in Health Information Administration with a minor in Sociology from Dakota State University. She is a member of the American Health Information Management Association and the American Academy of Professional Coders. She was the recipient of a 2010 Scholarship Award from the South Dakota Health Information Management Association.

Steven Shim is the Chief Healthcare Solutions Architect for Commercial Managed Services, Harris IT Services. Harris is an industry leader in providing mission-critical IT support services to healthcare, defense, intelligence, and civil clients. Prior to joining Harris, Mr. Shim was Vice President of IT for Health First,
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**Doug Smith** (dsmith@greenecountyhealthcare.com) is CEO/CIO of Community Partners HealthNet, Inc., a health-center-controlled network of sixteen community/migrant and rural health centers. He was responsible for securing the network’s EMR system that has gotten national recognition. Smith is also CEO of Greene County Health Care (GCHC), an $8 million dollar a year diversified healthcare corporation. GCHC, Inc. has primary care, dental, student health, family medical therapy, and farmworker divisions, and employs over 165 individuals. An Adjunct Professor in the Department of Family Medicine of the Brody School of Medicine at East Carolina University, he has made over 100 presentations at meetings at the national and state levels, including such organizations as the National Association of Community Health Centers, the Health Resources and Services Administration, the Towards an Electronic Patient Record (now known as the mHealth Alliance), and the Healthcare Information Management and Systems Society. He earned his MBA from Wharton School of Business.

**Stuart M. Speedie**, Ph.D., is a Professor of Health Informatics, a Co-Director for Minnesota’s Institute for Health Informatics, and Director of Graduate Studies in Health Informatics at the University of Minnesota Medical School. Dr. Speedie holds a B.S. in Computer Science and a Ph.D. in Educational Research from Purdue University, and is a Fellow in the American College of Medical Informatics. He was the principal investigator on a long-running grant from the Office for Advancement of Telehealth to establish and evaluate the Fairview-University Telemedicine Network.
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and the current Great Plains Telehealth Resource and Assistance Center grant. He is a member of the ATA policy committee and co-authored several policy papers for the group. Dr. Speedie is particularly interested in the intersection of telehealth and health information technology. He has worked on several projects to extend the reach of telemedicine into the home that involve home videoconferencing, the Internet, and home monitoring.

Heidi Tennyson, MAOM, is an Applications Analyst in the Information Technology Department at Regional Health in Rapid City, South Dakota. She supported the medical records and scanning module in Regional Health’s main HCIS system and has recently switched to supporting reference lab applications. She was part of the team that converted Regional Health from the old character-based HCIS to the newer Windows-based HCIS. After graduating with her Bachelor’s degree, she worked for American Express as a Project Manager, then later became a consultant for System Engineering Services and worked with Perot Systems. She has been with Regional Health for eight years. She holds a Bachelor of Arts in Business with an emphasis in Information Systems and Masters Degree in Organizational Management.

Herman Tolentino, M.D., serves as the Chief of the Public Health Informatics Fellowship Program (PHIFP) at the Centers for Disease Control and Prevention (CDC). After being trained as a physician and anesthesiologist at the University of the Philippines, he attended medical informatics training at the Division of Biomedical and Health Informatics at the University of Washington in 1997 and his Public Health Informatics (PHI) training at CDC in 2006. He has led innovations in public health informatics practice through development and implementation of an award-winning community-based electronic health record (http://www.chits.ph/web/) and an innovative Semantic Web application that tracks disease outbreaks and disasters called EpiSPIDER (http://www.epispider.net/). He has advanced competency-based PHI workforce development through game-based learning, development of case studies, and use of systems-based problem solving in collaborative PHI projects. He teaches PHI as Adjunct Associate Professor at the School of Public Health, University of Illinois in Chicago.

Seth Trudeau has been employed at Sanford Health for over 10 years. As a Database Administrator for 6 of those years, he was involved in many large system implementations including: Epic Electronic Medical Record system with an Intersystems Cache database and an Oracle reporting database, Lawson Enterprise Resource Planning software with an Oracle database, and a Business Objects Enterprise implementation. As an Interface Analyst, Seth was involved in merging
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clinical trial data from another application into Sanford Health’s Velos Clinical Trial Management System. He also worked with the CoRDS team to setup the CoRDS participant portal. Seth currently holds certifications as an Oracle Certified Professional, Epic Cache Administrator, and Epic Clarity ETL Administrator.

Allison Tuma, M.H.A., is a recent graduate of Saint Louis University’s School of Public Health. She earned a Master of Healthcare Administration and was the recipient of a two-year Graduate Research Assistantship award. Before moving to St. Louis, she received her undergraduate degree in Psychology from Miami University in Oxford, Ohio. She has worked in healthcare settings including major academic medical centers, a children’s hospital, mental health organizations, and a community care clinic. She will soon begin an Administrative Fellowship in the Division of Surgical Services at Cincinnati Children’s Hospital Medical Center in Cincinnati, Ohio.

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