

LOUIS M. WETSTEIN, PH.D., P.E.

Biomedical Engineer and Healthcare Facilities Expert

**PROFESSIONAL EXPERIENCE**

2006 to present **Robson Forensic, Inc.**  
*Associate*

Provide technical investigations, analysis, reports, and testimony towards the resolution of personal injury, accident causation and property damage litigation involving in all aspects of the operations, maintenance and repair of medical diagnostic, therapeutic and monitoring equipment; design of healthcare occupancies as they relate to medical equipment and facilities; installation of equipment in a healthcare setting; healthcare facilities utility management and operations including air and water quality issues.

Diagnostic Equipment: Laboratory Analyzers, X-Ray Systems, Cardiac Catheterization Systems, CT Scanners, MRI Scanners, EKG Machines, EEG Machines, Microscopes, Ultrasound Machines

Therapeutic Equipment: Hospital beds, Stretchers, Wheelchairs, Patient Lifts, Whirlpools, Continuous Passive Machines, Surgical Tables, Infusion Pumps, Ventilators, Dialysis Machines

Monitoring Equipment: Cardiac Monitors, Pulse Oximeters, Anesthesia Machines, Patient Scales, Thermometers

Healthcare Facilities Equipment: Medical Air Systems, Medical Vacuum Systems, Air Handling Systems, Water Treatment Systems, Reverse Osmosis Systems, Infection Control Systems, ADA Compliant Systems

2013 to present **NYU Hospitals Center, New York, New York**  
*Senior Director, Engineering Strategy and Support* 2013-present  
Direct the specification, design and construction of new and renovated healthcare and research facilities systems and equipment.

1990 to 2013 **NewYork-Presbyterian Hospital, New York, New York**  
*Director, Facilities Operations* 2006-2013  
Directed the day-to-day operations of the Facilities Operations Department including the Central Utility Plant; HVAC; Refrigeration; Electric; Plumbing; Fire Detection; Fire Prevention; and General Construction divisions in a 3 million square foot complex of hospital, research and administrative buildings.

*Project Leader, Facilities Engineering* 2002-2006  
Managed major infrastructure upgrade projects including emergency generators; medical air and medical vacuum systems; high-voltage electric distribution systems; heating, ventilation and plumbing equipment; and water quality systems including infection control equipment.

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*Facilities Engineer, Facilities Engineering* 1999-2002  
Coordinated engineering field surveys, utility shutdowns and emergency generator testing. Developed and managed budget, timekeeping and work order databases. Administered compliance records keeping systems for review by regulatory agencies such as the Fire, Building and Health Departments.

*Associate Business Analyst, Division of Information Services* 1998-1999  
Developed and maintained a Year 2000 Readiness information database that detailed technical problems in biomedical devices, computer and facilities equipment due to the century change. Coordinated device testing by in-house personnel and outside vendors. Managed legal, engineering and software consultants during all phases of the remediation plan.

*Clinical Engineer, Biomedical Engineering Department* 1991-1997  
Designed, developed, implemented and managed a computer database management system which organized equipment maintenance records, parts inventories, maintenance insurance and budget expenditures. Managed the installation of fetal monitoring systems; bedside monitors with central stations; laboratory analyzers and x-ray equipment. Developed and maintained a computerized preventive maintenance system that included laptop connections to equipment performance and safety testers.

*Administrator-On-Call, Division of General Services* 1993-1997  
Acted as senior administrative official in all hospital operational matters. Assisted the professional staff in all matters including medical-legal issues, admissions and staffing. Handled all public relations requests and received complaints.

*Biomedical Equipment Technician, Biomedical Engineering Department* 1990-1991  
Maintained all diagnostic, therapeutic and monitoring equipment. Evaluated equipment safety, performed repairs and designed electromechanical systems.

1988 to 1990 **The Children's Hospital, Boston, Massachusetts**  
*Biomedical Equipment Technician, Department of Biomedical Engineering*  
Maintained all diagnostic, therapeutic and monitoring equipment. Evaluated equipment safety, performed repairs and designed electromechanical systems.

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**PROFESSIONAL CREDENTIALS**

Professional Engineer: New York State

Certified Biomedical Equipment Technician

**EDUCATION**

Doctor of Philosophy in Biomedical Engineering  
Columbia University, New York, NY, 2007

Master of Philosophy in Biomedical Engineering  
Columbia University, New York, NY, 2006

Master of Science in Bioengineering  
Columbia University, New York, NY, 1993

Bachelor of Science in Biomedical Engineering  
Rensselaer Polytechnic Institute, Troy, NY, 1988

EXPERT NOT RETAINED