

LAURENT PARENT, P.E.

PROFESSIONAL EXPERIENCE:

University of Maine, AEW – Advanced Structures and Composites Center

2005 to present

Operations Manager

Manage day-to-day operations of AEW including administration and laboratory operations.

Senior R&D Program Manager

Manage program of composites research and development related to U.S. Army projects including ballistic protection systems, blast resistant building construction, rigidified arches, nanocomposites, and airbeam modeling.

Metso Inc., Biddeford Maine

Metso is a manufacturer of paper and nonwovens processing equipment and systems. Had responsibility for process and controls engineering of complex systems for paper making as well as R&D.

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| 1999 to 2005 | Member of Leadership Team |
| 1997 to 2005 | Manager of Technology and Development |
| 1989 to 1997 | Manager of Process Engineering |
| 1986 to 1989 | Process Engineer |
| 1987 to 1990 | Manager of Service |
| 1985 to 1986 | Process and Controls Engineer |

- Instrumental in making Metso the leader in THRU-AIR® drying and constantly setting new performance standards for the industry. This has been accomplished through creative product development with rapid response to customer's needs and anticipation of market trends.
- Member of business unit leadership team participating in policy making, setting business goals and strategy, budgeting, capital investment decisions, and other management activities.
- Managed a staff of engineers including a research scientist, process development engineers, process engineers, and controls engineers.
- Responsible for product development, laboratory facilities and testing, process engineering, controls engineering, and software development.
- Formed and led a corporate emissions team to keep abreast of worldwide emission regulations, assist customers in the permitting process for new construction, maintain a database of compliance data, and writing of consistent performance guarantees.

- Awarded three patents and have seven other inventions in the patent process.
- Supervised over twenty system start-ups from static check-out of electrical, controls, and mechanical systems to performance verification of all systems.
- Developed in-house software to more accurately model the process, improve productivity and enhance technical presentations to customers.

GTE Products Corporation, Standish, Maine

1982 to 1985

Product Development Engineer

- Developed electro-mechanical control devices from conception to prototype and customer acceptance.
- Performed functional and environmental cycling tests.
- Designed special manufacturing equipment for the developed products.
- Improved the production process in a Haitian assembly plant and was able to reduce inspection time by 95% while improving product quality and yield.

Central Maine Technical College

1983 and 1984

Instructor

TECHNICAL PAPERS

- Parent, L: Improved Moisture Profiles by TAD Hood Profiling, Tissue World 2004.
- Parent, L: Tissue Runnability and Through Air Drying, Technical Association of the Pulp and Paper Industry, 1999 and 2000.
- Parent, L, Connolly, T, Influence of Specific Energy on the Properties of Nonwoven Fabrics, Technical Association of the Pulp and Paper Industry, 1993.
- Weineisen, H, Parent L, Morrison, D, Stenström S: Through-Drying of Tissue at High Intensities - An Experimental Study, Journal of Pulp and Paper Science, 33(1), 1-8, 2007

PATENTS

- Apparatus for jetting high velocity liquid streams onto fibrous materials
- Nozzle insert for a Yankee impingement hood
- Method and apparatus for adjusting a moisture profile in a web
- Arrangement and method for combining dissimilar streams
- Four patents pending

EDUCATION AND PROFESSIONAL DEVELOPMENT

- Underwent an extensive Leadership Effectiveness Analysis™ resulting in diagnostic feedback of practices and behaviors that need to be strengthened, modified, or added to my leadership repertoire. The process consisted of various tests, a 360° evaluation, and several one-on-one meetings with an industrial psychologist.
- Attended various management training courses over the years including the comprehensive Bridge training in Dublin.

- University of Maine, Bachelor of Science in Mechanical Engineering, 1982