**Sandra Turnbull**

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**EXECUTIVE SUMMARY**

Proven process engineer and project manager whose responsibilities include collaboration, negotiation and execution of high visibility projects in support of a $150M account. Performance driven with cross-functional experience including strategic planning, data analysis, business strategy and client relations.

**PROFESSIONAL EXPERIENCE**

**Applied Materials, Boise ID** Nov 2013-Present

***Physical Vapor Deposition Process Engineer, Silicon Systems Group***

* Work with a major US-based memory chip manufacturer on research and development of chip metallization processes.
* Ensure close customer engagement to support scaling requirements needed for future nodes and emerging memories.
* Support process development to optimize tool performance and improve process metrics to meet integration requirements.
* Provide highly visible customer support with responsibility for on-site installation and problem diagnosis/troubleshooting.

**Applied Materials, Boise ID** June 2011-Nov 2013

***Physical Vapor Deposition Project Manager, Silicon Systems Group***

* Led customer programs from a technical perspective by serving as a liaison between the customer and the business unit.
* Identified business strategies while working cross-functionally to ensure these strategies were executed on time, within budget, and meeting the customer’s requirements.
* Successfully managed a client program from research and development through high volume manufacturing, which will result in a $50M business over 5 years.

**Rensselaer Polytechnic Institute, Troy, NY** September 2007-May 2011

***Department of Materials Science & Engineering, Undergraduate Research Program***

* Developed a detailed characterization of current wire drawing practices, including equipment operations, lubricants, dies, pass schedule design, and general wire handling and inventory.
* Applied general wired drawing models to current processing, looking for areas of likely risk and potential improvement.
* Prepared recommendations for drawing break reduction, and for improvements in product yield and productivity.
* Presented a summary of findings at the RPI Undergraduate Research Symposium.

**EDUCATION**

**Rensselaer Polytechnic Institute (RPI), Troy, NY** May 2011

* Bachelor of Science in Materials Engineering

**LEADERSHIP & ACTIVITIES**

* Rensselaer Varsity Field Hockey Team September 2007-May 2011
* Rensselaer Varsity Equestrian Team January 2008-May 2011
* Rensselaer Woman’s Mentor Program September 2009-May 2011

**HONORS**

* Emily Roebling Engineering Merit Scholarship
* Dean’s List