

Robert Smith

Senior Research Chemist II

PERSONAL STATEMENT

Colloid and Surface Science Basic and Applied Research Dispersions in liquids, solid-liquid interfacial properties, surfactants Lubrication, Inks, Coatings, Nano-particles, Materials LEADING SCIENTIST Adept at problem solving, cutting edge research programs that spur commercial growth, excellent collaborations between companies and universities and new business opportunities from advanced technology.

WORK EXPERIENCE

Senior Research Chemist II **ABC Corporation - 1992 - 1998**

Responsibilities:

- Planned and coordinated projects needed to grow the core and emerging businesses.
- Supervised 1- 5 scientists helped interpret data and wrote reports with recommendations for future work needed.
- Led colloidal chemist in development of a method to modify the surface chemistry of carbon black for aqueous ink jet applications.
- Led the colloidal aspects in developing couplers for carbon black with rubber for improved rolling resistance of tires.
- Patent issued and another pending with potential sales of up to \$100 million.
- Developed understanding of mechanisms for charging and colloidal stabilization in non-polar liquids -- several publications and presentations.
- Led the colloidal aspects in developing ER fluids for shock absorbers - limited applications.

Senior Research Chemist **Delta Corporation - 2001 - 2003**

Responsibilities:

- Responsible for the research and development of in vitro biochemical assays for amyloid- based diseases Assist in writing grant and patent .
- Responsible for initial research and development, process development, and scale up of specialty chemicals including alkenes, boronic acids and .
- Developed solvent extraction process that allowed an UV/AB blocker to be produced in metric ton amounts using existing production equipment (patent .
- Material was purified by crystallization Project leader of the team that developed a process to produce []10 MT/yr of an oncology intermediate .
- Developed and patented prototype corrosion technology, Zircobond, which began commercialization globally in 2008 with a projected 5 year cumulative .
- Zircobond is the recipient of the prestigious 2008 R&D100 Award by the "R&D Magazine".

CONTACT DETAILS

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SKILLS

Ink Jet Formulations,
Manufacturing, Technical
management,
Research&
Development, Graphic
Arts Formulations.

LANGUAGES

English (Native)
French (Professional)
Spanish (Professional)

INTERESTS

Climbing
Snowboarding
Cooking
Reading

REFERENCES

Reference - 1 (Company
Name)
Reference - 2 (Company
Name)

- It is now on Lincoln Town Car, Crown Victoria, Grand Marquis, Silverado, Sierra, Equinox/Terrain, and Camaro/Impala.

Education

Ph.D. in Colloid and Surface Chemistry - (Rensselaer Polytechnic Institute - Troy, NY)