

# Alphatech Incorporated

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ALPHATECH has a group of over one hundred engineers and scientists who are experts in information processing, software development, and systems engineering, with backgrounds in engineering, mathematics, operations research, computer science, economics, physics, and psychology. We maintain our world class capability through in-house research programs and extensive collaboration with the academic community. Our projects include a wide variety of tasks: research, modeling, simulation, algorithm development, software development, software testing, technical consulting, and systems integration.

## Recent Publications by Alphatech Incorporated:



- [2008 Elda E. Anderson Award: Presented to Phillip W. Patton at the 53rd Annual Meeting of the Health Physics Society, Pittsburgh, Pennsylvania 13-17 July 2008.](#)  
*alpha-Tocopherol is an excellent solvent for many poorly soluble drugs....*13th November, 2008  
Alphatech,- Health Phys. 2008 Dec;95(6):703-4. ([DOI Direct Link](#))
- [An overlapping tree approach to multiscale stochastic modeling and estimation.](#)  
*Recently, a class of multiscale stochastic models has been introduced in...*1st January, 1997  
Inf. Technol. Div., Alphatech Inc., Burlington, MA.- IEEE Trans Image Process. 1997;6(11):1517-29. ([DOI Direct Link](#))
- [Likelihood calculation for a class of multiscale stochastic models, with application to texture discrimination.](#)  
*A class of multiscale stochastic models based on scale-recursive dynamics...*1st January, 1995  
Alphatech Inc., Burlington, MA.- IEEE Trans Image Process. 1995;4(2):194-207. ([DOI Direct Link](#))
- [Efficient multiscale regularization with applications to the computation of optical flow.](#)  
*A new approach to regularization methods for image processing is...*1st January, 1994  
Alphatech Inc., Burlington, MA.- IEEE Trans Image Process. 1994;3(1):41-64. ([DOI Direct Link](#))





## Alphatech Incorporated Patents:

- 7234869- [Sink roll bearing having ceramic elements for supporting the roll's shaft](#)
- 6030388- [Top tightening bone fixation apparatus](#)
- 6004507- [Material formulation for galvanizing equipment submerged in molten and aluminum zinc melts](#)
- 5863314- [Monolithic jet column reactor pump](#)
- 5772567- [Composite furnace rolls](#)
- 5718517- [Self-aligning bearing for high temperature applications](#)
- 5713408- [Method for making a multicast roll](#)
- 5650120- [Bubble-operated recirculating pump for metal bath](#)
- 5615482- [Method for making composite centrifugally cast furnace roll rings for furnace rolls](#)
- 6051183- [Jet column and jet column reactor dross removing dross diluting pumps](#)
- 6071074- [Advanced motor driven impeller pump for moving metal in a bath of molten metal](#)
- 6082965- [Advanced motor driven impeller pump for moving metal in a bath of molten metal](#)
- 6899772- [Alloy molten composition suitable for molten magnesium environments](#)
- 6622118- [System and method for comparing signals](#)
- 6562293- [Material formulation for galvanizing equipment submerged in molten aluminum and aluminum/zinc melts](#)
- 6354796- [Pump for moving metal in a bath of molten metal](#)
- 6261369- [Sink roll for galvanizing bath](#)
- 6168757- [Material formulation for galvanizing equipment submerged in molten aluminum and aluminum/zinc melts](#)
- 6168753- [Inert pump leg adapted for immersion in molten metal](#)
- 6106226- [High velocity prestressed shaft for degasser or pumping application in molten metal](#)
- 5549393- [Self-aligning bearing for high temperature applications](#)

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