Entrepreneurial IP Development:
My Focus on Goal-Oriented Creative Problem Solving

By: Dan Kikinis, Inventor
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Abstract:
This presentation focuses on how creative systems thinking helps find better solutions. The world is a system of systems, and all the problems (and solutions) are part of at least one system. Any problem view should span from the provider to end user of a product or service.

Whenever defining a problem, we must ask ourselves: Is this the most valuable problem to solve; how can this problem be framed even better.

Such a focus on early problem definition can in fact enhance early IP capture. Strong solutions address multiple problems or an entire string of problems. It is better to bypass secondary problems to find a complete and hopefully seminal solution. Dan’s approach to invention seeks solutions that address both original and new problems.

My approach requires education and re-education in many disciplines. The Internet is the world’s greatest study library. One also needs to keep in mind that whoever ultimately needs the solution often determines the “best” solution.

The talk uses the novel search technology in Otopy as a primary example of entrepreneurial IP development. The Otopy approach automatically finds and/or creates related sets of words (N-grams) for concepts in document (s). It uses one or more concepts to create context, solves problems when different people choose different words for the same concepts (keywords don’t!), and allows users to contextualize queries in any language (words can be from any language). Clusters of N-gram contextualize, hence put in one of many corpora. It is highly scalable due to extreme semantic knowledge density (web scale).

About the Speaker:
Mr. Kikinis was raised and educated in Switzerland. He has worked in Switzerland, Taiwan, and the United States. He has been involved in the development of high-technology products and intellectual property since 1980, and he has more than 190 issued US patents and close to 300 registered patents worldwide. Currently he holds positions with Lextron Systems and Otopy Inc.