

## Intelligent Scheduling

The Intelligent Systems Laboratory at Simon Fraser University focuses on the development of systems that help human users solve complicated tasks. Ideas are incorporated from logic programming, constraint-based reasoning, object-oriented programming, intelligent backtracking, and operations research. Current research involves the investigation of new constraint solving algorithms, the development of constraint logic programming languages, extensions to intelligent backtracking, and intelligent agent architectures. This technology is applied to industrial problems including graphical interfaces, scheduling, and animation.

### Applications

Many areas of scheduling provide suitable problems that can be addressed by Intelligent Scheduling, such as aircraft and flight crew schedules, staffing schedules, etc.

### Advantages

Intelligent Scheduling allows for a range of variables to be considered and arrives at the most optimal schedule given the constraints.

### Stage of Development

A functional prototype has been completed which allows for custom application specific modifications.

### Intellectual Property Status

Copyright protected.

### Business Opportunity

Licensing and research contracts are sought.

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