Applying physics to better traffic flow

The ultimate goal is to get as much out of the road network as you can.

One of the main things we are interested in is this kind of notion of how these systems have phase transitions," he said.

The team will investigate whether improved algorithms for traffic lights could enable more traffic flow without having to build new roads. "You could reduce the travel time of people — not necessarily just travel times of vehicles — if you could better integrate public transport with the cars on the road," Dr Garoni said.

"There wouldn't be a huge outlay of new hardware for any of the things we're talking about; it's mainly kind of using what you have and getting more sensitivity," he said.

He said it would be a few years before the algorithms were tested on Melbourne roads. "The ultimate goal is to get as much out of the network as you can because in places like Melbourne and Sydney there isn't really any chance of putting in new roads or anything much in the inner city," he said.

TechnologyOne adds Lifehouse to healthcare suite

"The ultimate goal is to get as much out of the road network as you can.

TechnologyOne has signed up four customers for its pre-configured healthcare offering, OneHealth, in deals worth more than $4 million.

OneHealth is an integrated suite of finance, asset management, planning and operational software tailored for our of-the-box implementation by hospitals and clinics.

Lifehouse, the $2.2bn cancer treatment and research facility under construction at Sydney's Royal Prince Alfred Hospital campus, has selected OneHealth for its corporate system.

Queensland's Mercy Health, St Andrews Hospital and New Zealand's Southern Cross Healthcare are other local customers.

Lifehouse chief information officer Anne Marie Hadley said the TechnologyOne deal was the first IT contract signed at the

Law firm's verdict on new platform

Using a foreign multinational, "Mr Conlon said Lifehouse wanted to ensure all IT systems were able to go live "well before we open our doors" next year.

"We need to order 30,000 items this year in preparation for opening, not make sense to start implementation now," he said.

"This way, we can be sure all our systems are properly integrated and the data correct," TechnologyOne executive chairman Adrian De Marco said.

"We need a provider on hand to help us whenever we need it"