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Coordinating services embedded everywhere via hierarchical planning

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Document Version

Publisher's PDF, also known as Version of record

Publication date:

2015

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Georgievski, I. (2015). *Coordinating services embedded everywhere via hierarchical planning*. [Thesis fully internal (DIV), University of Groningen]. University of Groningen.

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Stellingen

behorende bij het proefschrift

Coordinating services embedded everywhere via hierarchical planning

van

Ilche Georgievski

1. Various devices and technologies are present ubiquitously in our living environments, and provide all kinds of services to people and systems.
2. Services need to be coordinated in pursuit of greater good, and predefining the ways of coordination can only cover limited and predicted situations. AI planning can provide the means for automated and dynamic service coordination.
3. The separation of concerns and the knowledge on the complexity of AI planning for ubiquitous computing will give new insights and may foster the development of new solutions.
4. The analysis of hierarchical planning in a neutral and evidence-oriented way can reduce the controversy associated with it, and can increase the common understanding of it.
5. Hierarchical planning is a suitable technique for coordinating services in ubiquitous computing and cloud computing.
6. Services can be coordinated by considering the possibility to save energy without sacrificing people's well-being.
7. Intelligence will be present everywhere.
8. "He is a man of intelligence, but to act sensibly, intelligence is not enough."

- Fyodor Dostoyevsky
9. Some research communities seem to keep themselves within themselves, and take no colour from the outer world.