

The Semantic Grid: Past, Present and Future

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Grid computing offers significant enhancements to our capabilities for computation, information processing and collaboration, and has exciting ambitions in many fields of endeavour. This talk will explain why the full richness of the Grid vision, with its application in e-Science, e-Research or e-Business, requires the combination of Semantic Web and Grid - giving us the "Semantic Grid", an extension of the current Grid in which information and services are given well-defined meaning, better enabling computers and people to work in cooperation. The history and state of the art in Semantic Grid will be presented, and future trends discussed.