Abstract

Computational technologies are changing rapidly due to fast and huge demand for computational power for variety of applications, societal factors and advances in science and technology. It is difficult to forecast exact nature of future computational technologies due to multiple and dynamic factors influencing technology advances. The paper focuses on computational technology trend from macro perspective including technological, societal, behavioral aspects. The output of this paper is twofold, first it presents drivers behind the historical development and probable futuristic computational technologies using technology push and market pull concepts. Second, it describes futuristic computational technologies using the scenario method. Further the paper list the impact of futuristic technologies on economy, national development and enterprises.

References

1. Berisha-Namani, M. and Ramadani, A. 2009. The Role of Information Technology in
Small and Medium Sized Enterprises in Kosovo. Fulbright Academy Conference.


21. Farber, D. and Lakhtakia, A. Scenario Planning and Nanotechnological Futures.

Department of Electrical and Communications Engineering, Helsinki University of Technology.


34. Lee, K. R. Impacts of Information Technology on Society in the new Century.

**Index Terms**

Computer Science

Information Sciences

**Keywords**

Computational technology, Scenario analysis, Technology push, Market pull, social impacts of computational technology.