EDITORIAL PREFACE

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The first article in this edition of IJANTTI: *Computer Networks as the Embodiment of Social Networks: The Role of National Scientific Communities in the Development of Internet in the U.S. and Bulgaria* was written by Juan D. Rogers from Georgia Institute of Technology (USA) and Ivan Tchalakov from the Bulgarian Academy of Sciences (Bulgaria). In the article they remark on the global reach of the Internet, both as a technological system and a set of social phenomena, but that its very familiarity tends to obscure important dynamics of the process by which the current state of affairs was reached. Their paper is the result of the confluence of two research efforts into the nature of this process in the United States and Bulgaria that began independently, and the commonalities and differences between the two cases presents a compelling case for a comparative case study approach. The article notes that in spite of the obvious differences between the two countries, these cases show a significant common dynamic in the implementation of infrastructural information networks.

Next is an article by Rennie Naidoo of the University of Pretoria (South Africa), titled: *Unravelling Design Controversies in a Transnational Healthcare Information System: An Actor-Network Analysis*. Healthcare insurance firms are experimenting with integrating self-managed healthcare elements into their product and service design and making these available through transnational healthcare information systems and this article analyzes this technology using a socio-technical theoretical lens. Using key concepts from actor-network theory (inscription, translation, enrolment, delegation, and displacement) the paper reveals why, in this context, the traditional face-to-face dietetic practices could not be completely entrusted to a transnational healthcare information system. Drawing from a longitudinal case study, the article unravels some of the design controversies presented by a self-managed nutrition technology designed by a South African healthcare insurance firm for the local and UK market.

The third article: *Deploying an 'Out of Space' Technology: A Case Study of Non-Human Resistance*, by Samo Grasic and Maria Udén from Luleå University of Technology (Sweden) investigates how environments into which new technologies are introduced, interact and interfere with the deployment process, the deployed technologies as well as the research conducted. The study draws from the N4C project development and deployment of Delay Tolerant Network technology in the remote Arctic villages of Ritsem and Staloluokta. Here ANT was employed to reveal how climate, flora, fauna and other elements present in the field of deployment interacted and interfered with, but more importantly, drove the technological development and the continued research work.

While this, and the last few of issues of IJANTTI have had a small number of quite long articles (around 10,000 words each), the journal accepts articles of any length from 3,500 words up to about 12,000 words. Also, articles do not have to relate specifically to Actor-Network Theory, but could instead relate to other socio-technical approaches to the investigation of Technological Innovation. We welcome articles comparing other approaches to socio-technical research with ANT, and also other approaches to technological innovation with innovation translation.

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