

Computing4Human 2020: The 1st International Workshop on Computational Humanities and Social Sciences*

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Abstract. The 1st International Workshop on Computational Humanities and Social Sciences (Computing4Human) is hosted by Future IT Innovation Laboratory (*i-Lab*), Pohang University of Science and Technology (POSTECH), on the 15th of February 2020. This workshop tackled various research areas: the computational narrative analysis, the technology policies, and the human-computer interaction.

Keywords: Computational Narrative Analysis, Mise-en-scène, Movie Script Analysis, Metaphorical Symbol.

1 Introduction

With the rapid development of artificial intelligent (AI) techniques and the advent of IoT (Internet-of-Things) era, research subjects of humanities and social science have been becoming computational. For example, various studies have been conducted for computationally analyzing literature works, public opinions for political events, etc. Also, the influence of the spread of AI technology is getting an important research issue on humanities and social science. Due to smart applications surrounding us, the way how our everyday life will change stimulates our interests and imagination. Both two approaches start from respective research areas and attempt to explore opponent areas, maintaining their own perspectives. As preliminary studies, these studies have not had formalized research methodologies or well-established concepts/terminologies. This point makes interdisciplinary studies look fuzzy and ambiguous.

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However, at least, it is clear that these studies have been exploring terra incognita. Every attempt that they have conducted (even, insignificant failures) might be valuable for pioneering new research areas. From those trials, studies that originated from computer science can be closer to humanized computing and human-like artificial intelligence. Also, scholars on humanities and social science will obtain understandings and insights for where AI technology is and where it has to go.

This workshop has aimed to discuss novel research directions and contributions belonging to intersections between the two research communities. Thereby, we have attempted to gather various opinions from different research areas, including computer science, computational linguistics, digital humanities, political science, economic, etc. At the beginning of this workshop series, we have collected papers on interdisciplinary studies between computer science and humanities/social sciences, without any limitation.

2 Acknowledgments

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