

# IEEE JOURNAL OF BIOMEDICAL AND HEALTH INFORMATICS

J-BHI Special Issue on “The recent advances in social network analysis for Personality Development”

The recent advances in social network analysis are utilized for understanding the social, emotional, and human analogous behavior of an individual with his friends. Social network analysis requires a good distribution of subjects between all network positions. Only then can one obtain significant results. Many attributes can use this approach for any purpose or goal where a better understanding of behaviors, emotions, and personalities is required. Human analogous behavior is essential for enhancing and reinforcing personality development. Research is now being done on social network analysis for personality development. Social network analysis helps to understand the inherent personality traits, emotions, and users' social behaviors leveraging data from social media sites. Social network analysis is an informative approach that combines data collection with clustering, visualization, and mapping data into meaningful paradigms. It has been successfully employed in different aspects of our life to make social connections. It is being explored by researchers/developers to enhance the performance of people and organizations.

Recent advances in social network analysis have led to discovering a set of similar human behaviors that work similarly to human emotions. This feature allows researchers to develop a personality based on creativity, social, emotional, and analogous human behavior. From an evolutionary point of view, similar human behavior has been evolved by natural selection over millions of years. And are emerging in humans as creative expression (musical, artistic), social interaction (cooperation, negotiation), emotional expression (feelings and sentiments), and similar human behavior (including sports, hobbies, and ways to unwind). These four essential elements form a variety of cognitive processes in terms of a rich mental life. Creative human behavior analogous which cause flow experiences can be used for well-being and happiness. Social human equivalent human behavior which causes trust can be used for friendship and healthy family relationships. Emotional human behavior analogous which cause joy can be used for positive happiness in case of humor or novel situation. Human analogous which cause pain, can be used for perseverance and persistence as applied to creative pursuits such as learning new skills. The application of social network analysis to personality development is an important step forward in understanding human behavior. Hence, more advanced research in this domain has become essential.

This special issue aims at collecting, reviewing, and analyzing recent advances of different methods for analyzing relationships, structural properties, communication, and interactions in social networks. The aim is to enhance our understanding of how these methods can help us explore personality development from a social network perspective.

## **Topics (Include, but not limited to):**

- Identification and prediction of human behavior analogous with social network analysis
- Advances in human behavior analogous for personality development with social network analysis
- Advances in social and behavioral science for human personality development with social network analysis
- Examining informative behavior of the users across social networks for personality prediction with big data technologies

- Social network analysis empowers creative, social, emotional, and human analogous.
- New development in social and emotional analogous for personality development with human behavior analysis
- Assessing the behavioral and psychological impacts of humans for personality development with social network analysis
- Fear and uncertainty analysis for personality development with social network analysis
- Advances in social cognitive analysis for behavior development
- Personality prediction in the context of social network analysis for human behavior development
- Assessing the changes in human behavior and perception with social network analysis
- Social network analysis for emotional, behavioral, and psychological data science

**Guest Editor Details for the proposed SI:**

Dr. Asefeh Asemi (Lead Guest Editor)

Professor, Doctoral School of Economics, Business, & Informatics, Corvinus University of Budapest, Budapest, Hungary.

Email: [asemi.asefeh@uni-corvinus.hu](mailto:asemi.asefeh@uni-corvinus.hu), [prof.asefehasemi@gmail.com](mailto:prof.asefehasemi@gmail.com)

Dr. Ishaani Priyadarshini (Co- Guest Editor)

Assistant professor, School of Information, University of California, Berkeley

Email: [ishaani@ischool.berkeley.edu](mailto:ishaani@ischool.berkeley.edu)

Dr. Abu Bakar Munir (Co- Guest Editor)

Professor, Faculty of Law, University of Malaya, Kuala Lumpur, Malaysia.

Email: [abmunir@um.edu.my](mailto:abmunir@um.edu.my)

Dr. shamsollah Ghanbari, (Co- Guest Editor)

Assist Professor, Department of Computer Science,  
Islamic Azad University, Ashtian Branch, Ashtian, Iran

Email: [Sh.Ghanbari@iau.ac.ir](mailto:Sh.Ghanbari@iau.ac.ir), [dchpc@ipm.ir](mailto:dchpc@ipm.ir)

**Key Dates**

- Manuscript Submission Deadline: 16<sup>th</sup> August 2023
- Authors Notification: 20<sup>th</sup> October 2023
- Revised Papers Due: 30<sup>th</sup> December 2023
- Final notification: 25<sup>th</sup> February 2024

