

# **AI for Service Computing: Research and Application**

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## **Abstract**

In the era of interconnected networks, digitization, and big data, Artificial Intelligence (AI) technology is developing rapidly and has been widely applied in various research and application fields through innovative patterns. This report first introduces the correlative research background, various service models, and key research issues in service computing. Then, it presents the latest research advancements and challenges of predicting Quality of Service (QoS) by deep learning techniques in different computing paradigms. Also, it provides the construction and application effectiveness of a Smart Recycling Collection Service Platform. Finally, it summarizes the future research hotspots and application trends in AI for service computing.

## **Biography**

Guobing Zou is a full professor and vice dean of the School of Computer Science, Shanghai University, China. He received his PhD in Computer Science from Tongji University, Shanghai, China, 2012. He has been a Research Associate in the Department of Computer Science and Engineering at Washington University in St. Louis from 2009 to 2011, USA. His research interests mainly focus on services computing, edge computing, data mining and intelligent algorithms, recommender systems. He has published more than 110 papers on premier international journals and conferences, including IEEE Transactions on Services Computing, IEEE Transactions on Network and Service Management, IEEE ICWS, ICSOC, AAI, Information Sciences, Expert Systems with Applications, Knowledge-Based Systems, etc. He served as organization chair of the International Conference on Service Science (ICSS 2018), vice chair of IEEE International Conference on Big Data (IEEE BigData 2021), PC chair of CCF National Conference on Services Computing (NCSC 2023), chair of “Service Computing Top Conference Top Journal Forum” of China Digital Service Conference 2021 to 2023, and guest editor of International Journal of Services Technology and Management.