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AI-Based Pervasive Application Services

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Message from the Guest Editors

It is well known that generative AI has revolutionized our expectations of computer-generated results. However, significant barriers remain to their widespread application in everyday services for general households. Practical application services require explicit purposes and needs while considering computational resources, cost, user privacy, security, deployment, maintenance.

It is a significant challenge to effectively match the continuous stream of advanced technologies with people's real-world needs to create widely adoptable application services. Additionally, for existing application services, there are significant challenges in effectively integrating emerging technologies to achieve upgrades and transformations. Evaluating and efficiently analyzing the next-generation application services' feasibility, appropriateness, utility, accuracy, and scalability are also critical issues.

- Pervasive application services;
- AI with multimodal data;
- Generative AI for general households;
- Application services for general households;
- AI upgrades and transformations;
- Evaluating and analyzing with AI;
- Next-generation application services.

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Special Issue

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Message from the Editor-in-Chief

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