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Dr. Yan Yang is a Professor and vice dean of the School of Information Science and Technology at Southwest Jiaotong University. She worked as a visiting scholar one and a half years at the Center of Pattern Analysis and Machine Intelligence (CPAMI) in the Waterloo University of Canada. She is an Academic and Technical Leader of Sichuan Province. Her research interests include artificial intelligence, big data analysis and mining, ensemble learning, cloud computing and service. She has led three projects supported by the National Natural Science Foundation of China (NSFC), one project supported by the NSFC International (Regional) Cooperation and Exchanges Program, a project of National Science and Technology Support Program, and a Supporting Program for Science and Technology of Sichuan Province. She also participated in more than 10 high-level projects. She has published over 180 papers in journals and conferences (including IEEE TKDE, IEEE TCYB, IEEE TCC, IJCAI, EMNLP, ICDM, ACML, etc.). She also authored one special issue of international journal, one conference proceeding and two books. She serves as the Vice Chair of ACM Chengdu Chapter, a distinguished member of CCF, a senior member of CAAI, a member of IEEE, ACM, ACM SIGKDD, CCF Education Work, CCF Artificial Intelligence and Pattern Recognition, CCF Theoretical Computer Science, CAAI Machine Learning, CAAI Grain Calculation and Knowledge Discovery Committee, Vice Chairman of Sichuan Computer Society, Vice Chair of Big Data Industry University Research Council of Sichuan Institute of Electronics, and Standing Director of Sichuan Artificial Intelligence Alliance.

Title: **Multi-view Clustering: Fundamentals and Challenges**

Abstract: Many applications in real-world face the situation where each data instance in a set is sampled from multiple views. Such forms of data are referred to as multi-view data. Multi-view clustering aims to provide clustering solutions to multi-view data. Although multi-view clustering has been studied extensively in the past, this task is still challenging. A challenge currently is that multi-view clustering requires at least  $m$ -fold calculation capability than single-view clustering. In this talk, I will holistically introduce its fundamentals, applications and challenges. In brief, multi-view clustering builds upon co-training learning, multi-kernel learning, multi-view graph clustering, multi-view subspace clustering, and multi-task multi-view clustering.