

# In-Network Computing: A Survey

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***Abstract***—Programmable data plane (PDP) is an emerging technology to embedded different functionalities to networking devices. PDP is perceived as a key technology to realize in-network computing. In this talk, we first overview the basic of the PDP technology and survey recent works on in-network caching, in-network aggregation, and in-network inference.

***Index Terms***—In-Network Computing, Programmable Data Plane, P4.