

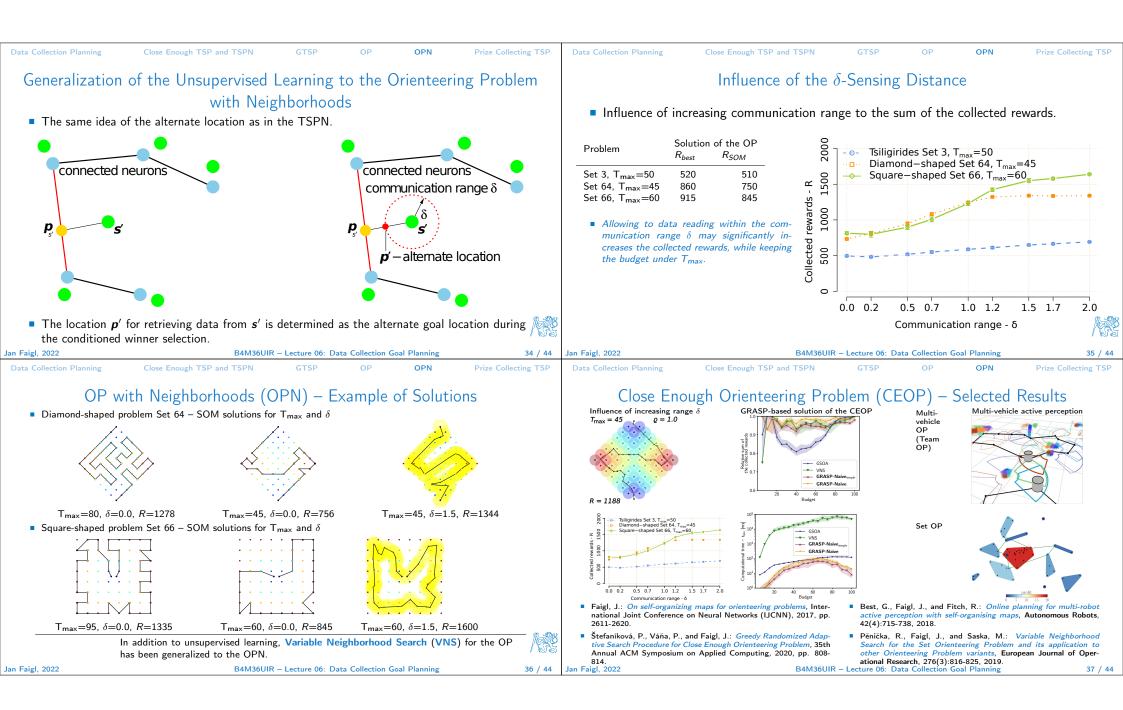
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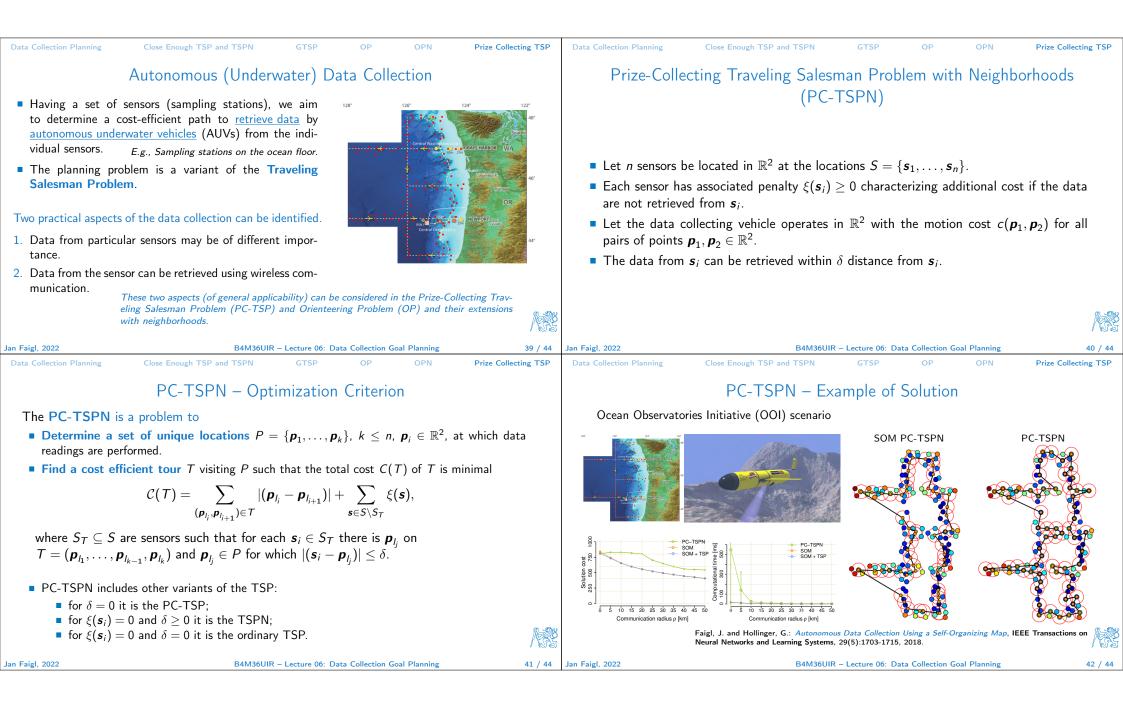
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B4M36UIR - Lecture 06: Data Collection Goal Planning

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Topics Discussed		Topics Discussed			
	Summary of the Lecture		Topics Discussed		
			TravelingOrienteer	n planning formulated as variants of Salesman Problem (TSP) ing Problem (OP) ecting Traveling Salesman Problem with Neighborhoods (PC-TSPN)	
			 TSP with neighborh 	e non-zero sensing range can be addressed as Neighborhoods (TSPN) or specifically as the Close Enough TSP (CETSP) for disk-sha oods. Neighborhoods (OPN) or the Close Enough OP (CEOP).	aped
			by sampling	n continuous neighborhoods include continuous optimization that can be addres the neighborhoods into discrete sets. ed TSP and Set OP	sed
			Sampling-ILP formuTransform	ions include ation algorithms and heuristics (combinatorial, unsupervised learning, evolutionary methods based and decoupled approaches lations for discrete problem variants (sampling-based approaches) ation based approaches (GTSP→ATSP) / Noon-Bean transformation orial heuristics such as VNS and GRASP	5)
			TSP can	ore solved by efficient heuristics such as LKH ure-constrained data collection planning	<u>AR</u>
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