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Topics Discussed			Topics Discussed		
	Summary of the Lecture		Topics Discussed		
			<ul> <li>Data collection</li> <li>Traveling Same</li> <li>Orienteering</li> <li>Prize-Collection</li> </ul>	planning formulated as variants of alesman Problem (TSP) g Problem (OP) ting Traveling Salesman Problem with Neighborhoods (PC-TSPN)	
			<ul> <li>Exploiting the non-zero sensing range can be addressed as</li> <li>TSP with Neighborhoods (TSPN) or specifically as the Close Enough TSP (CETSP) for disk-shaped neighborhoods.</li> <li>OP with Neighborhoods (OPN) or the Close Enough OP (CEOP).</li> </ul>		
			<ul> <li>Problems with c</li> <li>by sampling th</li> <li>Generalized</li> </ul>	ontinuous neighborhoods include continuous optimization that can be addr e neighborhoods into discrete sets. TSP and Set OP	essed
			<ul> <li>Existing solution</li> <li>Approximati</li> <li>Sampling-ba</li> <li>ILP formulat</li> <li>Transformat</li> <li>Combinatori</li> </ul>	ns include on algorithms and heuristics (combinatorial, unsupervised learning, evolutionary metho sed and decoupled approaches tions for discrete problem variants (sampling-based approaches) ion based approaches (GTSP→ATSP) / Noon-Bean transformation al heuristics such as VNS and GRASP	ls)
		ASS.	<ul> <li>TSP can be</li> <li>Next: Curvature</li> </ul>	solved by efficient heuristics such as LKH e-constrained data collection planning	<u>A</u>
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