ANDYGROVE.SYSTEMS CONTINUING PROFESSIONAL UPSKILLING BRIEF // PP-04 (arXiv:2610.41129)
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Canonical Brief URL: https://andygrove.systems/preprint/pp-04
Primary Source URL: https://arxiv.org/abs/2610.41129

TITLE: When Should AI Agents Ask? Clarification Requests Under Limited Human Attention
AUTHORS: Hanzhao Wang, Shengjie Liu, Zhengchao Wang (Oct 2026)
PILLAR: HUMAN ATTENTION QUEUES

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1. EMPIRICAL & MATHEMATICAL FINDING FOR CONTINUING PROFESSIONAL UPSKILLING:
Models parallel AI agents sharing one human supervisor with finite attention as a queueing dynamic program; introduces Pairwise Coordination Policy (PCP) so agents condition escalation on real-time human queue congestion.

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2. ACTIONABLE COO & INDUSTRIAL ENGINEERING PRODUCTION RULE:
Make agent escalation thresholds queue-aware: when senior human WIP rises, throttle low-value clarifications and defer non-urgent subtasks.

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3. SELF-STUDY & TEAM UPSKILLING INTEGRATION (GOOGLE CLASSROOM & COLAB):
* Interactive Calculators (L0-L3 Wilson TRM & L = lambda*W): https://andygrove.systems/calculators
* Runnable Python Queueing & Routing Colab Lab: https://andygrove.systems/colab.ipynb
* 1-Page Agent Line Audit Specimen: https://andygrove.systems/audit

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NODE 01 (Part-Time Remote IE/OR/BizOps Pods, $20-45/hr): https://andygrove.systems/#apply
NODE 02 (COO Office Audit Desk): mailto:output@andygrove.systems
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