Page Overlays
An Enhanced Virtual Memory Framework to Enable Fine-grained Memory Management
Session 2B – 10:45 AM

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- Largely retains the structure of existing virtual memory systems
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**Powerful Access Semantics → Many applications**

- **Efficient copy-on-write**
- Sparse data structure representation
- Memory checkpointing
- **Flexible superpages**
- Fine-grained metadata management
- Virtualizing speculation
- **Fine-grained deduplication**