



ACADEMIC ALLIANCE UPDATE

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AIMS OF THE ACADEMIC ALLIANCE



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- To promote auto id based research outside the auto id center
- To ensure a uniform and consistent deployment of auto id center developments
- to ensure a broad academic acceptance of the Auto ID center developments
- to support the soliciting of external funding of academic research in auto id areas



INAUGURAL MEETING



INAUGURAL MEETING

- Held December 9 & 10, in Cambridge, MA
- 27 attendees (18 north america, 9 europe)
- 10 Auto ID center personnel present
- Reason for meeting:
 - Mapping out the Field
 - Identifying Holes and Research Opportunities
 - Facilitating Interactions
 - Making Platforms Available
 - Identifying Parallel Activities
 - Careers/Opportunities



INAUGURAL MEETING

- Research Overview (morning)
 - aims for the academic alliance
 - introduction to the Auto ID Center research programme
 - RFID primer



INAUGURAL MEETING

- discussion groups (afternoon)
 - Technology Group (led by Tony Woo, Washington)
 - Supply Chain Group (led by Yves Dalleri, Ecole Centrale de Paris)
 - Life Sciences Group (led by David Brock, MIT)
 - Product Life Cycle Group (led by Valerie Thomas, Princeton)
- issues discussed
 - key research issues in field
 - identify parallel / overlapping activities
 - suitable publications & conferences



INAUGURAL MEETING

- Outcomes

very enthusiastic participation

identification of a number of research issues:

e .g. medical applications, end of
product life cycle

support for further meetings, industrial interactions

several conferences and journal targets identified

meeting report being prepared by Dan Engels



NEXT STEPS



NEXT STEPS

- Academic alliance meeting in Cambridge, UK in May/June 2002
- special conference session being held at IEEE Systems Man and Cybernetics Conference (Tunisia, October, 2000)
- special IEEE, AIM? journal issues proposed
- ONS, savant software being prepared for limited academic release



NEXT STEPS

- Auto ID Center support for academic research proposals provided ...
 - Proposal is relevant to Auto ID Center aims
 - Auto ID standards adhered to
 - Auto ID Center screening of proposal
 - Auto ID screening of any external publications
 - Auto ID participation generally limited to standards / compatibility issues



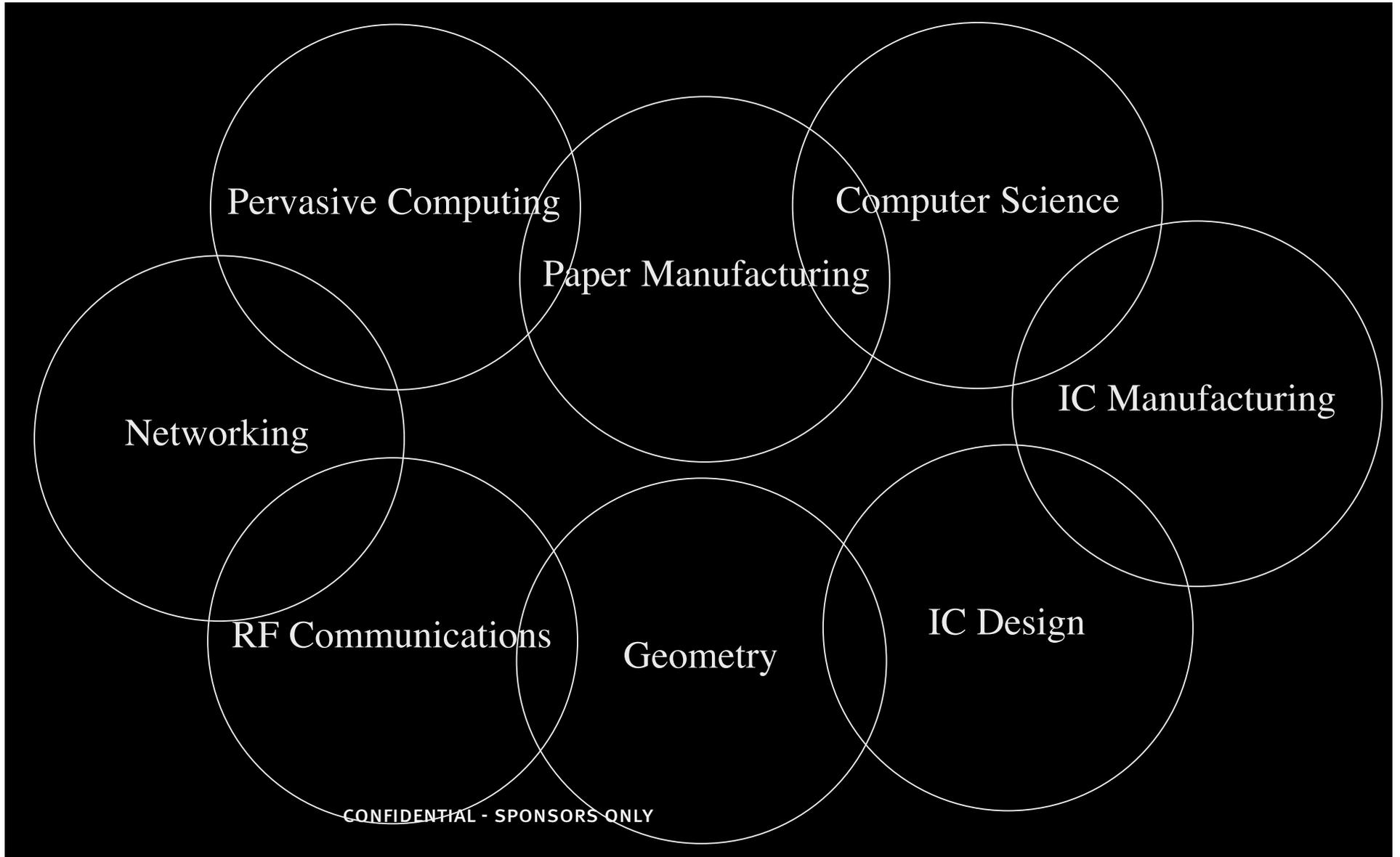
RFID

- RFID is not new
- Auto-ID is not new
- Pervasive computing is not new

- Pervasive RFID deployment on large scales is new
- And it may be close to becoming real



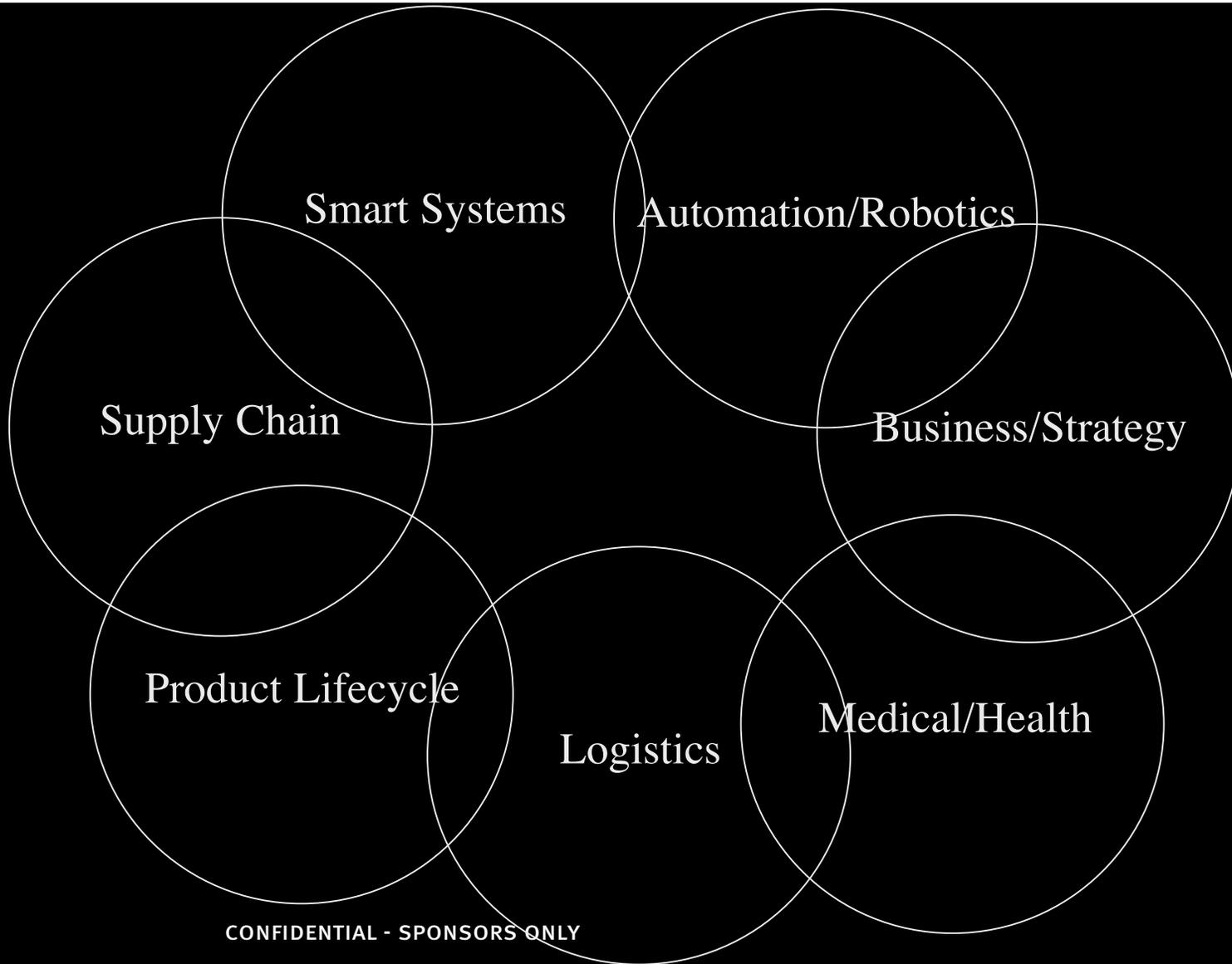
INTERSECTION OF AREAS



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BROAD APPLICATIONS & OPPORTUNITIES



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MORE SCHOLARSHIP NEEDED IN FIELD

- Multi-disciplinary
 - Across schools
 - Across Industries
- No clear sources of information
 - Academic purity missing
 - Education/demystification required