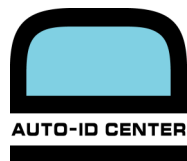


ACADEMIC ALLIANCE UPDATE

Duncan McFarlane, Sanjay Sarma, Peter Cole

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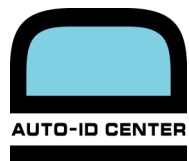


AIMS OF THE ACADEMIC ALLIANCE



AIMS OF THE ACADEMIC ALLIANCE

- 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

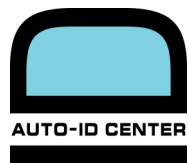
- identification of a number of research issues:

- 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

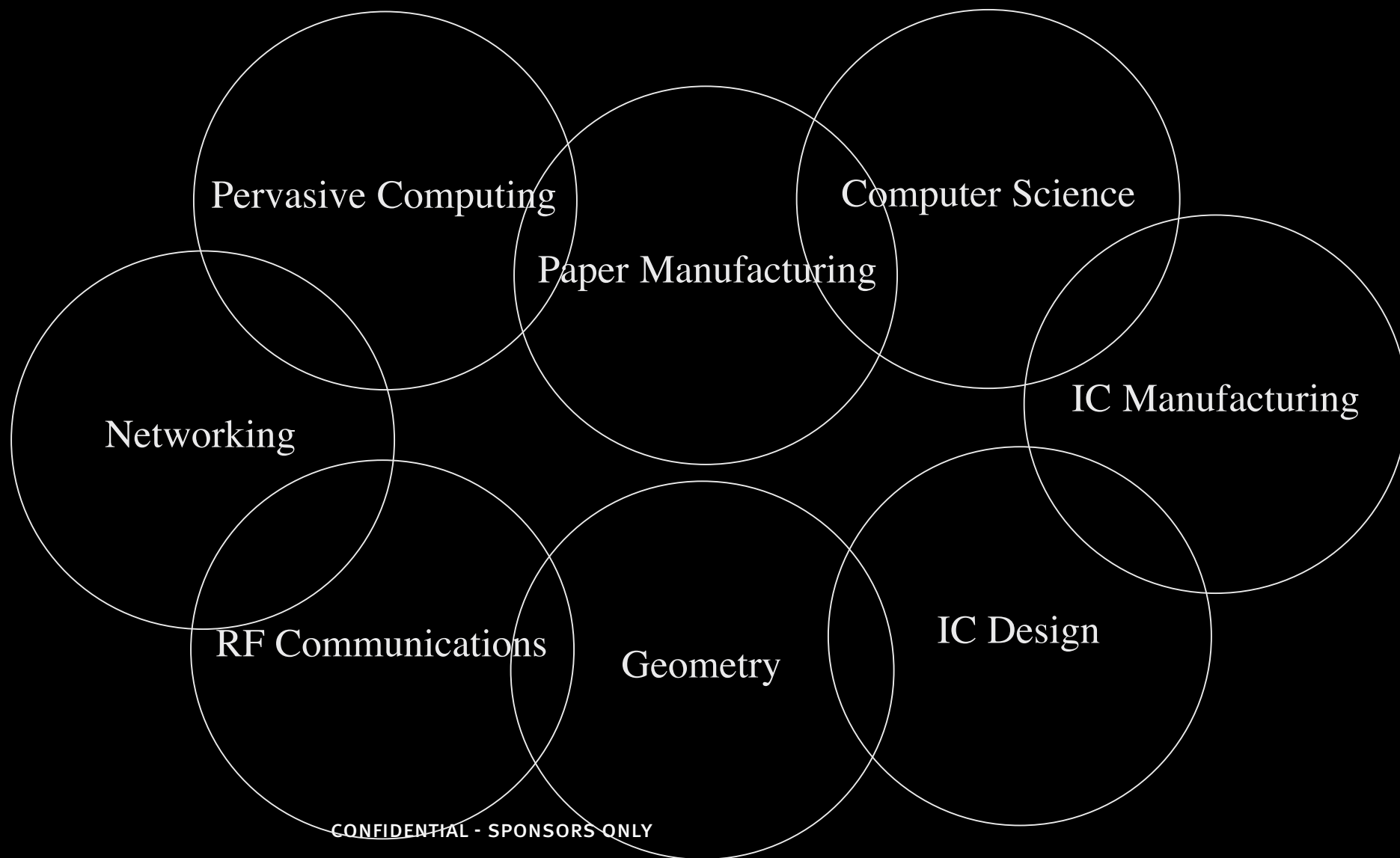


RFID

- 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

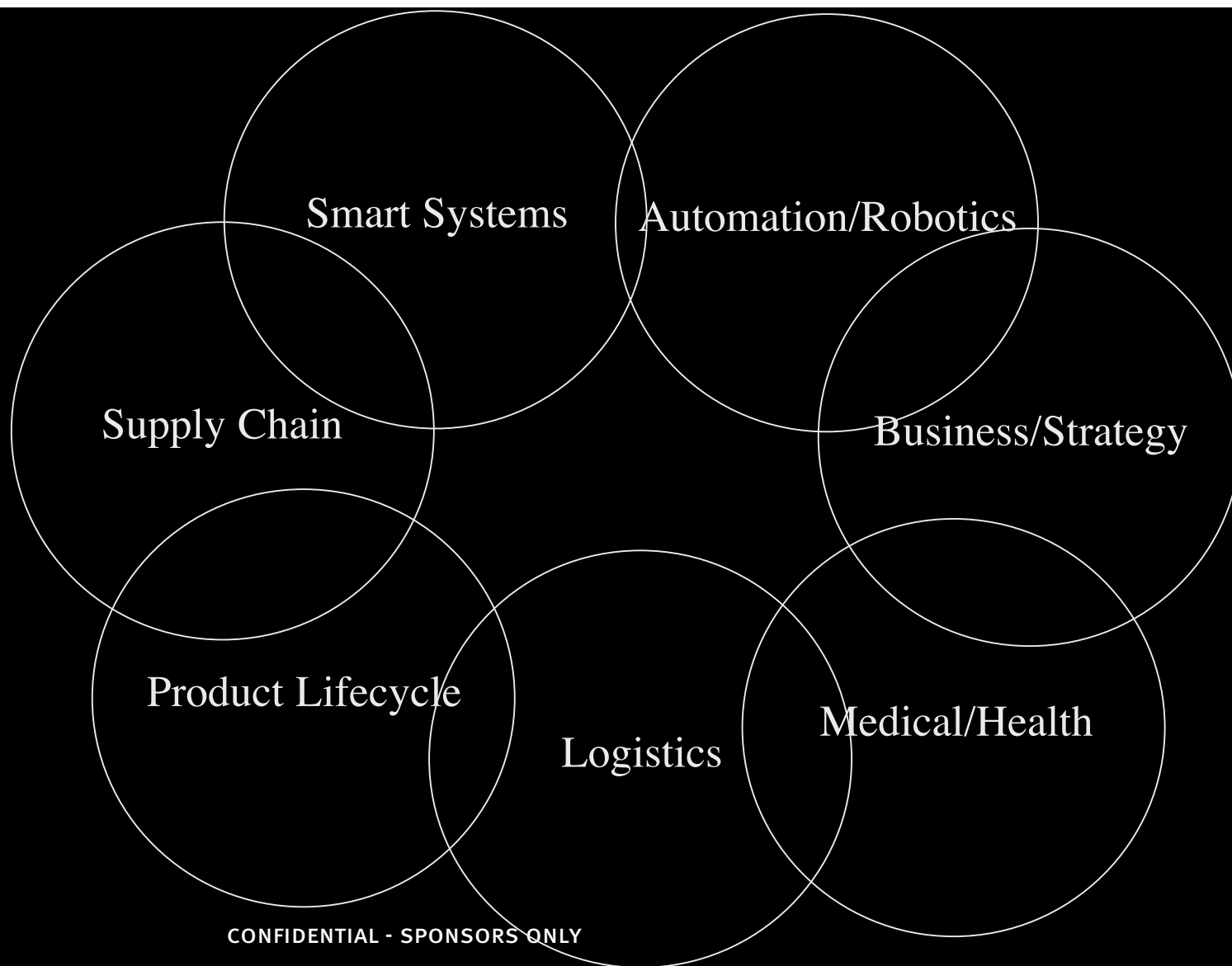


INTERSECTION OF AREAS





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