FINAL Report

2009-2010 STRUCTURAL INFORMATION

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DEPARTMENT OF PSYCHOLOGY
NORTH CAROLINA STATE UNIVERSITY
January, 2011

NOTES: 2009-2010 data collected from 42/42 Center Director Surveys (100% response rate).

IUCRC Evaluation Project
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Fax: 919.515.1716
E-mail: iucrc@ncsu.edu
Webpage: http://www.ncsu.edu/iucrc
Table 1: 2009-2010 GENERAL CENTER INFORMATION* (Sorted Chronologically)

<table>
<thead>
<tr>
<th>Yr Funded</th>
<th>Center Name</th>
<th>University Name: Director</th>
<th>Partner University 1 Director</th>
<th>Partner University 2 Director</th>
<th>Partner University 3 Director</th>
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<td>Univ. of Arizona Pepper</td>
<td>Arizona State Univ. Abbaspazadegan</td>
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* = Report sorted by Status, Organized by Year Funded; * = Last year funded by NSF

a: Additional Universities and Directors for the Center for Excellence in Logistics and Distribution are: Virginia Tech. (Ellis), Univ. of Missouri (Noble), Texas Tech. Univ. (Matix), and Arizona State Univ. (Villalobos)
b: Dr. Goff is the acting Center Director for E-Design at the time of this report's publication. However, Dr. Terpenny was the Center Director for the reporting period.
c: Additional Universities and Directors for the Center for Advanced Forestry Systems are: Univ. of Georgia (Kane), Univ. of Washington (Briggs), Univ. of Florida (Jokela), and Univ. of Idaho (Coleman)
d: Additional Universities and Directors for the Power Systems Engineering Research Center are: Iowa State Univ. (McCalley), Wichita State Univ. (Jewell), Georgia Institute of Tech (Meliopulos), Howard Univ. (Momoh), Univ. of Illinois Urbana-Champaign (Sauer), and Univ. of California Berkeley (Oren)

IUCRC Structure Database, FY 2009-2010
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* Report sorted by Status, Organized by Year Funded; * = Last year funded by NSF

- Centers are Phase III grant recipients that have had a break in their NSF I/UCRC funding. They are formerly funded centers that recompeted for a third five year award.
- Additional Universities and Directors for the Center for Excellence in Logistics and Distribution are: Virginia Tech. (Ellis), Univ. of Missouri (Noble), Texas Tech. Univ. (Matis), and Arizona State Univ. (Villalobos)
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| Grand Sum | $72,577,200 | $18,502,321 | $8,794,773 | $5,040,000 | $1,532,374 | $1,862,624 | $1,272,550 | N/A | N/A | N/A |

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*Report sorted Alphabetically by Center

a: University does not reduce overhead, but matches 25% of membership fees

IUCRC Structure Database, FY 2009-2010
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| Grand Mean | 18.24 | 15.19 | 3.81 | 3.29 | 15.38 | 27.21 | 13.19 | $40,429 | $17,839 | $9,125 |
| Grand Sum  | 766   | 638   | 160  | 138  | 646   | 1143  | 554   |

* Report sorted Alphabetically by Center

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**Grand Mean**: 16.45, 12.57, 38.60, 25.07, 7.31

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<td>5</td>
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<td>58</td>
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<td>27</td>
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<td>2</td>
<td>1</td>
<td>25</td>
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<td>3</td>
<td>5</td>
<td>2</td>
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<td>3</td>
<td>96</td>
<td>1</td>
<td>113</td>
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</table>

| Grand Mean | 2.86  | 4.31  | 3.43  | 0.48  | 0.69  | 1.12  | 22.69  | 2.31  | 28.31  |
| Grand Sum  | 120   | 181   | 144   | 20    | 29    | 47    | 953    | 97    | 1189   |

* Report sorted alphabetically by center
**Table 8: 2009-2010 INTELLECTUAL PROPERTY EVENTS**

**Table 8: Centers Reporting One or More Intellectual Property Event Last Fiscal Year**

<table>
<thead>
<tr>
<th>Intellectual Property Event</th>
<th># of Centers</th>
<th>% of Centers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invention Disclosures</td>
<td>10</td>
<td>24%</td>
</tr>
<tr>
<td>Patent Applications</td>
<td>13</td>
<td>31%</td>
</tr>
<tr>
<td>Software Copyrights</td>
<td>2</td>
<td>5%</td>
</tr>
<tr>
<td>Patents Granted/Derived</td>
<td>7</td>
<td>17%</td>
</tr>
<tr>
<td>Licensing Agreements</td>
<td>5</td>
<td>12%</td>
</tr>
<tr>
<td>Royalties Realized</td>
<td>2</td>
<td>5%</td>
</tr>
</tbody>
</table>

**Table 8: Total Number and Means of Intellectual Property Events Last Fiscal Year**

<table>
<thead>
<tr>
<th>Intellectual Property Event</th>
<th>Total for all Centers</th>
<th>Mean for All Centers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invention Disclosures</td>
<td>33</td>
<td>0.79</td>
</tr>
<tr>
<td>Patent Applications</td>
<td>34</td>
<td>0.81</td>
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<tr>
<td>Software Copyrights</td>
<td>2</td>
<td>0.05</td>
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<td>Patents Granted/Derived</td>
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<td>0.26</td>
</tr>
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<td>Licensing Agreements</td>
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<td>0.19</td>
</tr>
<tr>
<td>Royalties Realized</td>
<td>5</td>
<td>0.12</td>
</tr>
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</table>
FOOTNOTES AND SPECIAL CONSIDERATIONS

Footnotes appear on top of columns and/or at end of rows for each Table and are described in this Appendix.

1) All averages and sums exclude missing data. With the exception of percentages, data from multi-university centers has been aggregated across universities; percentages represent averages for the reporting universities.

2) This report includes only data on Centers which were considered active participants in the NSF IUCRC Program during the 2009-2010 fiscal year.

3) On Table 1, “YEAR FUNDED” indicates the year NSF gave the center the operating grant it is currently operating under.

4) On Table 2, “TOTAL FUNDING” refers to the total cash income coming into the Center.

5) On Table 2, “NSF FUNDING” refers to two kinds of support, “IUCRC FUNDING” which refers to the total support provided by the I/U CRC program, including operating grant, self-sustaining Center funding, evaluator support, TIE awards, RUI/PUI awards, etc. “NSF OTHER” refers to cash support for Center operations provided by other NSF groups or divisions. Neither of these categories includes money transferred through NSF from other Federal Agencies (MIPRs).

6) On Table 2, “INDUSTRY MEMBERSHIP FEES” refers to the total cash membership fees from Center members.

7) On Table 2, “INDUSTRY OTHER” refers to additional industry cash funding for operations provided by industrial members (e.g., enhancements, donations, etc.) which is applied to the Center as a whole (e.g., income that results in outcomes shared equally by all Center members).

8) On Table 2, “STATE TOTAL” refers to the support provided by state government and/or an agency or program funded by state government. It does NOT include items such as utilities and space.

9) On Table 2, “UNIV. TOTAL” refers to the support for the Center operating costs including salary, travel, and overhead returned to the Center. It does NOT include funding from NSF.

10) On Table 2, “OTHER FEDERAL AGENCY” refers to cash support for Center operations provided by other Federal funding sources, but does NOT include funding from NSF.

11) On Table 2, “OTHER NON-FEDERAL AGENCY” refers to cash support for Center operations provided by other non-Federal funding sources, foundations, etc.

12) On Table 2, “OTHER FUNDING” refers to any other cash support, such as contracts, received by Center researchers that would not have been received if the Center did not exist. The funding would not result in outcomes shared equally by Center members.

13) On Table 3, “CAPITAL AND IN-KIND CONTRIBUTIONS” refers to capital support for items of value over $25,000 and includes equipment, facilities, personnel, and software.

14) On Table 3, “% to MEM” refers to the overhead rate charged to industry membership fees.

15) On Table 3, “TYPICAL OVERHEAD” refers to the typical university Federally Negotiated Facilities and Administrative rate (indirect) charged to funding sources.

16) On Table 3, “ADMIN. BUDGET (\%)” refers to the estimated percentage of the Center’s direct operating budget allocated to administration (e.g., administrative salaries, travel, telephone).

17) On Table 4, “FEES’ are broken down into primary, secondary, and tertiary (the latter two represent variable membership fees).

18) On Table 5, “FACULTY SCIENTISTS” includes the Center Director(s) and Faculty Researchers.

19) On Table 6, “TIME ALLOCATION” refers to allocation of director's full-time equivalent for budgetary purposes.

20) On Table 7, “STUDENTS RECEIVING DEGREE” refers to the number of Ph.D.’s, M.S.’s, and B.A./B.S.’s that received a degree during the reporting period.

21) On Table 7, “STUDENTS HIRED BY INDUSTRY” refers to the number of Ph.D.’s, M.S.’s, and B.A./B.S.’s that were hired by member companies during the reporting period.

22) On Table 7, “PUBLICATIONS” refers to the publications in the open literature the Center researchers produced based on Center research including publications reported that have a Center industry member as an author.