NEGOTIATION AGREEMENT

INSTITUTION: GEORGIA INSTITUTE OF TECHNOLOGY
GEORGIA TECH RESEARCH CORPORATION
ATLANTA, GEORGIA 30332

The Facilities and Administrative (F&A) rates contained herein are for use on grants, contracts
and/or other agreements issued or awarded to the Georgia Institute of Technology/Georgia Tech
Research Corporation (GIT/GTRC) by all Federal Agencies of the United States of America, in
accordance with the provisions and cost principles mandated by 2 CFR 220 (formerly OMB
Circular A-21). These rates shall be used for forward pricing and billing purposes for
GIT/GTRC’s Fiscal Year 2012 and 2013. This rate agreement supersedes all previous rate
agreements for Fiscal Year 2012 and 2013.

Section I: RATES - TYPE: PREDETERMINED (Pred)

F&A Rates:

<table>
<thead>
<tr>
<th>TYPE</th>
<th>FROM</th>
<th>TO</th>
<th>RATE</th>
<th>BASE</th>
<th>APPLICABLE TO</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pred</td>
<td>7/1/2011</td>
<td>6/30/2013</td>
<td>52.7%</td>
<td>(a)</td>
<td>Organized Research (1)</td>
<td>RI*</td>
</tr>
<tr>
<td>Pred</td>
<td>7/1/2011</td>
<td>6/30/2013</td>
<td>57.0%</td>
<td>(a)</td>
<td>Organized Research (2)</td>
<td>RI</td>
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<tr>
<td>Pred</td>
<td>7/1/2011</td>
<td>6/30/2013</td>
<td>53.5%</td>
<td>(a)</td>
<td>Sponsored Instruction</td>
<td>RI</td>
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<tr>
<td>Pred</td>
<td>7/1/2011</td>
<td>6/30/2013</td>
<td>35.0%</td>
<td>(a)</td>
<td>Other Sponsored Activity</td>
<td>RI</td>
</tr>
</tbody>
</table>

*Resident Instruction
DISTRIBUTION BASES

(a) Modified Total Direct Cost (MTDC), as defined in 2 CFR 220, consisting of all salaries and wages, fringe benefits, materials and supplies, services, travel, and subgrants and subcontracts up to the first $25,000 each (regardless of the period covered by the subgrant or subcontract); and excluding equipment (defined as having a useful life of more than two years, and an acquisition cost of $5,000 or more per unit), capital expenditures, charges for tuition remission, rental costs (except rental costs for equipment or facilities that are charged direct to a sponsored agreement), scholarships and fellowships, as well as the portion of each subgrant and subcontract in excess of $25,000.

APPLICABLE TO

(1) Applies to DOD contracts awarded before November 30, 1993, all Non-DOD Instruments, and all DOD grants (See Section II, paragraph E). (Capped)

(2) Applies to only DOD contracts awarded on or after November 30, 1993 in accordance with and under the authority of DFARS 231.303(1) (See Section II, paragraph E). (Uncapped)

SECTION II - GENERAL TERMS AND CONDITIONS

A. LIMITATIONS: Use of the rates set forth under Section I is subject to any statutory or administrative limitations and is applicable to a given grant, contract or other agreement only to the extent that funds are available and consistent with any and all limitations of cost clauses or provisions, if any, contained therein. Acceptance of any or all of the rates agreed to herein is predicated upon all the following conditions: (1) that no costs other than those incurred by the grantee/contractor were included in its indirect cost pool as finally accepted and that all such costs are legal obligations of the grantee/contractor and allowable under governing cost principles; (2) that the same costs that have been treated as indirect costs are not claimed as direct costs; (3) that similar types of costs, in like circumstances, have been accorded consistent accounting treatment; (4) that the information provided by the contractor/grantee, which was used as the basis for the acceptance of the rates agreed to herein and expressly relied upon by the Government in negotiating the said rates, is not subsequently found to be materially incomplete or inaccurate.

B. ACCOUNTING CHANGES: The rates contained in Section I of this agreement are based on the accounting system in effect at the time this agreement was negotiated. Changes to the method(s) of accounting for costs, which affects the amount of reimbursement resulting from the use of these rates, require the written approval of the authorized representative of the cognizant negotiating agency for the Government prior to implementation of any such changes. Such changes include but are not limited to changes in the charging of a particular type of cost from indirect to direct. Failure to obtain such approval may result in subsequent cost disallowances.

C. PREDETERMINED RATES: The predetermined rates contained in this agreement are not subject to adjustment in accordance with the provisions of 2 CFR 220, subject to the limitations contained in Part A of this section.
D USE BY OTHER FEDERAL AGENCIES: The rates set forth in Section I hereto were negotiated in accordance with and under the authority set forth in 2 CFR 220. Accordingly, such rates shall be applied to the extent provided in such regulations to grants, contracts and other transactions to which 2 CFR 220 is applicable, subject to any limitations in part A of this section. Copies of this document may be provided by either party to other Federal agencies which have or intend to issue or award grants and contracts using these rates or to otherwise provide such agencies with documentary notice of this agreement and its terms and conditions.

E. APPLICATION OF INDIRECT COST RATES TO DOD CONTRACTS/ SUBCONTRACTS:

1. Signature of this agreement by the authorized representatives of Georgia Institute of Technology – Georgia Tech Research Corporation and the Government, acknowledges and affirms the institution's request for waiver of the prohibition contained in DFARS 231.303(1) and the Government's exercise of its discretion under DFARS 231.303(2) to waive the prohibition in DFARS 231.303(1) for all F&A cost rates, except for F&A rates applicable to Organized Research. The waiver request by Georgia Institute of Technology – Georgia Tech Research Corporation is made to simplify the institute's overall management of DOD cost reimbursements under DOD contracts.

2. In accordance with DFARS 231.303, no limitation (unless waived by the institution) may be placed on the reimbursement of otherwise allowable indirect costs incurred by an institution of higher education under a DOD contract awarded on or after November 30, 1993, unless the same limitation is applied uniformly to all other organizations performing similar work. It has been determined by the Department of Defense that such limitation is not being uniformly applied. Accordingly, the rates cited (2) of Section I (as explained under the title "APPLICABLE TO"), do not reflect the application of the 26% limitation on administrative indirect costs imposed by 2 CFR Part 220; whereas (1) does so.

Accepted:

FOR GEORGIA INSTITUTE OF TECHNOLOGY:  
GEORGIA TECH RESEARCH CORP.

[Signature]
Jill D. Garton  
Vice President for Research,  
GTRC/GTARC General Manager  

April 30, 2012  
Date

FOR THE U.S. GOVERNMENT:

[Signature]  
David F. Godfrey  
Contracting Officer  

April 30, 2012  
Date
For information concerning this agreement contact:
DAVID F. GODFREY, Contracting Officer
Office of Naval Research
875 North Randolph Street
Arlington, VA 22203-1995

Phone: (703) 696-2586
E-mail: david.f.godfrey@navy.mil
# INDIVIDUAL RATE COMPONENTS

**Institution:** Georgia Institute of Technology  
**Georgia Tech Research Corporation, Resident Instruction**

**Location Rate is Applicable to:** All  
**Type of Rate:** Predetermined

<table>
<thead>
<tr>
<th>Negotiation Base - MTDC:</th>
<th>Organized Research</th>
<th>Instruction</th>
<th>Other Sponsored Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEN ADM</td>
<td>$161,470,404</td>
<td>$246,006,342</td>
<td>$20,154,324</td>
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<tr>
<td>DA</td>
<td>6.00%</td>
<td>6.00%</td>
<td>6.00%</td>
</tr>
<tr>
<td>DA-Allowance</td>
<td>14.81%</td>
<td>21.94%</td>
<td>14.81%</td>
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<td>DA-GTRC</td>
<td>3.60%</td>
<td>3.60%</td>
<td>3.60%</td>
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<tr>
<td>Sponsored Projects Adm</td>
<td>2.47%</td>
<td>0.00%</td>
<td>1.26%</td>
</tr>
<tr>
<td>Student Services</td>
<td>2.21%</td>
<td>0.15%</td>
<td>1.21%</td>
</tr>
<tr>
<td>Administrative CP Adj</td>
<td>1.16%</td>
<td>4.03%</td>
<td>0.31%</td>
</tr>
<tr>
<td>Subtotal</td>
<td>(4.25%)</td>
<td>(9.72%)</td>
<td>(1.21%)</td>
</tr>
<tr>
<td>FACILITIES</td>
<td>26.0%</td>
<td>26.0%</td>
<td>26.0%</td>
</tr>
<tr>
<td>Depreciation - Buildings &amp; Improvements</td>
<td>5.81%</td>
<td>5.12%</td>
<td>1.53%</td>
</tr>
<tr>
<td>Depreciation - Equipment</td>
<td>6.29%</td>
<td>2.14%</td>
<td>0.77%</td>
</tr>
<tr>
<td>Interest</td>
<td>1.69%</td>
<td>1.93%</td>
<td>0.53%</td>
</tr>
<tr>
<td>O&amp;M</td>
<td>12.36%</td>
<td>12.60%</td>
<td>5.33%</td>
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<tr>
<td>Library</td>
<td>0.71%</td>
<td>5.62%</td>
<td>0.72%</td>
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<tr>
<td>Subtotal</td>
<td>25.67%</td>
<td>27.37%</td>
<td>9.08%</td>
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<tr>
<td>Rounding</td>
<td>0.03%</td>
<td>0.13%</td>
<td>-0.08%</td>
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<tr>
<td>Total capped Rate</td>
<td>52.70%</td>
<td>53.50%</td>
<td>35.00%</td>
</tr>
<tr>
<td>Rounding</td>
<td>0.03%</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>Total uncapped Rate (DoD Contracts)</td>
<td>57.00%</td>
<td>n/a</td>
<td>n/a</td>
</tr>
</tbody>
</table>

**FOR THE INSTITUTION:**

[Signature]

Jide D. Garrett  
Vice President for Research  
GTIAC/GTARC General Manager  
April 30, 2012

**FOR THE GOVERNMENT:**

[Signature]

David F. Godfrey  
Contracting Officer  
April 30, 2012

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