

**COMMITTEE ON NATURAL RESOURCES**  
**113<sup>th</sup> Congress Disclosure Form**  
**As required by and provided for in House Rule XI, clause 2(g) and**  
**the Rules of the Committee on Natural Resources**

Oversight hearing entitled "*Advances in Earthquake Science: 50<sup>th</sup> Anniversary of the Great Alaskan  
Quake.*"  
March 27, 2014

For Individuals:

1. Name:
2. Address:
3. Email Address:
4. Phone Number:

\* \* \* \* \*

For Witnesses Representing Organizations:

1. Name: Reginald DesRoches
2. Name of Organization(s) You are Representing at the Hearing: Georgia Institute of Technology
3. Business Address: School of Civil & Environmental Engineering, Atlanta, GA 30332-0355
4. Business Email Address: [Information redacted for privacy]
5. Business Phone Number: [Information redacted for privacy]

## For all Witnesses

**Name/Organization:** Reginald DesRoches / Georgia Institute of Technology

**Title/Date of Hearing:** Oversight hearing entitled "Advances in Earthquake Science: 50<sup>th</sup> Anniversary of the Great Alaskan Quake." March 27, 2014

a. Any training or educational certificates, diplomas or degrees or other educational experiences that are relevant to your qualifications to testify on or knowledge of the subject matter of the hearing.

Ph.D. in Civil Engineering, University of California, Berkeley, 1998 (Specialty in Structural Earthquake Engineering)

b. Any professional licenses, certifications, or affiliations held that are relevant to your qualifications to testify on or knowledge of the subject matter of the hearing.

Past Chair, ASCE Seismic Effects Committee  
Past Board Member, Earthquake Engineering Research Institute  
Past Chair, Technical Council on Lifeline Earthquake Engineering

c. Any employment, occupation, ownership in a firm or business, or work-related experiences that relate to your qualifications to testify on or knowledge of the subject matter of the hearing.

Professor and Chair, School of Civil & Environmental Engineering, Georgia Institute of Technology

d. Any federal grants or contracts (including subgrants or subcontracts) from the Department of the Interior (and/or other agencies invited) that you have received in the current year and previous four years, including the source and the amount of each grant or contract.

None.

e. A list of all lawsuits or petitions filed by you against the federal government in the current year and the previous four years, giving the name of the lawsuit or petition, the subject matter of the lawsuit or petition, and the federal statutes under which the lawsuits or petitions were filed.

None.

f. A list of all federal lawsuits filed against you by the federal government in the current year and the previous four years, giving the name of the lawsuit, the subject matter of the lawsuit, and the federal statutes under which the lawsuits were filed.

None.

g. Any other information you wish to convey that might aid the Members of the Committee to better understand the context of your testimony.

None.

## Witnesses Representing Organizations

**Name/Organization:** Reginald DesRoches / Georgia Institute of Technology

**Title/Date of Hearing:** Oversight hearing entitled "Advances in Earthquake Science: 50<sup>th</sup> Anniversary of the Great Alaskan Quake." March 27, 2014

h. Any offices, elected positions, or representational capacity held in the organization(s) on whose behalf you are testifying.

Professor and Chair, School of Civil & Environmental Engineering

i. Any federal grants or contracts (including subgrants or subcontracts) from the *Department of the Interior (and /or other agencies invited)* that were received in the current year and previous four years by the organization(s) you represent at this hearing, including the source and amount of each grant or contract for each of the organization(s).

| Sponsor Division   | Title   | Prime Sponsor | Status     | Start Date | End Date   | Total Contract Amount |
|--|---|---------------|------------|------------|------------|-----------------------|
| US DEPT OF INTERIOR/GEOLOGICAL SURVEY                          | COOPERATIVE AGREEMENT U.S. DEPARTMENT OF INTERIOR GEOLOGICAL SURVEY AND...  |               | Terminated | 12/1/2004  | 9/30/2009  | \$ 122,763.00         |
| US DEPT OF INTERIOR/GEOLOGICAL SURVEY                          | FY2009 STATE WATER RESOURCES RESEARCH PROGRAM                               |               | Closeout   | 3/1/2006   | 2/28/2011  | \$ 461,384.00         |
| UNIV OF MICHIGAN/  | VIRTUAL CENTER FOR NETWORK AND SECURITY DATA                                | INTERIOR DEPT | Closeout   | 3/1/2008   | 9/30/2013  | \$ 111,888.00         |
| US DEPT OF INTERIOR/GEOLOGICAL SURVEY                          | MULTI-SCALE INVESTIGATION OF SEAWATER INTRUSION AND APPLICATION IN COASTAL. |               | Terminated | 4/1/2008   | 12/31/2011 | \$ 194,083.00         |
| US DEPT OF INTERIOR/GEOLOGICAL SURVEY                          | CAROLINA COASTAL CHANGE PROCESSES: SURF ZONE MODEL DEVELOPMENT              |               | Closeout   | 7/1/2008   | 12/31/2013 | \$ 175,000.00         |
| ROCHESTER INSTITUTE OF TECHNOLOGY/ROCHESTER, NY                | ENERGY ASSISTANCE PROJECT FOR NATIONAL PARK SERVICE                         | DOI/NPS       | Closeout   | 1/1/2009   | 12/31/2009 | \$ 9,250.00           |
| US DEPT OF INTERIOR/GEOLOGICAL SURVEY                          | SYSTEMATIC ANALYSIS OF EARLY AFTERSHOCKS OF THE 2004 MW6.0 PARKFIELD EAR... |               | Closeout   | 7/1/2009   | 6/30/2010  | \$ 70,008.00          |
| US DEPT OF INTERIOR/GEOLOGICAL SURVEY                          | COLLABORATIVE RESEARCH: BETWEEN THE US GEOLOGICAL SURVEY (USGS) AND GA..... |               | Active     | 10/1/2009  | 9/30/2019  | \$ 307,281.00         |
| US DEPT OF INTERIOR/NATL PARK SRVC                             | VEGETATION DYNAMICS IN RELATION TO HYDROLOGY AND FLOW IN THE EVERGLADES     |               | Closeout   | 10/23/2009 | 4/30/2011  | \$ 59,993.00          |
| US DEPT OF INTERIOR/GEOLOGICAL SURVEY                          | STATEWIDE GEOSPATIAL MATURITY ASSESSMENT MODEL (UNSOLICITED PROPOSAL)       |               | Closeout   | 3/1/2010   | 2/28/2012  | \$ 30,000.00          |
| US DEPT OF INTERIOR/INTERIOR BUSINESS CENTER/FORT HUACHUCA, AZ | FOUNDATIONS FOR A HIGH-SPEED LOW-POWER DATA ANALYTICS APPLIANCE             |               | Closeout   | 8/15/2010  | 4/14/2013  | \$ 389,111.00         |
| LOCKHEED-MARTIN  | INTEGRATED COGNITIVE-NEUROSCIENCE ARCHITECTURES FOR UNDERSTANDING SENSE.... | INTERIOR DEPT | Terminated | 12/6/2010  | 12/5/2012  | \$ 1,863,393.30       |
| US DEPT OF INTERIOR/GEOLOGICAL SURVEY                          | STRUCTURE, SEISMICITY, AND STRESS ALONG THE SAN ANDREAS FAULT NEAR SAFOD:.. |               | Terminated | 1/1/2011   | 12/31/2011 | \$ 34,325.00          |
| US DEPT OF INTERIOR/GEOLOGICAL SURVEY                          | SITE-SPECIFIC AMPLIFICATION FACTORS AT STRONG MOTION STATIONS IN THE WEST.. |               | Terminated | 2/1/2011   | 7/31/2012  | \$ 62,919.00          |
| US DEPT OF INTERIOR/GEOLOGICAL SURVEY                          | FY 2011 STATE WATER RESOURCES PROGRAM                                       |               | Active     | 3/1/2011   | 2/29/2016  | \$ 240,195.00         |
| GEORGIA AQUARIUM INC   | ADAPTING METABOLOMICS TO ASSESSMENTS OF FISH HEALTH                         | DOI/GS        | Terminated | 3/1/2011   | 6/1/2012   | \$ 22,400.00          |
| US DEPT OF INTERIOR/INTERIOR BUSINESS CENTER/FORT HUACHUCA, AZ | AUTOMATED SCENARIO CREATION/ADAPTATION TECHNOLOGY                           |               | Active     | 4/20/2011  | 4/19/2014  | \$ 496,156.00         |
| US DEPT OF INTERIOR/INTERIOR BUSINESS CENTER/FORT HUACHUCA, AZ | NETWORK INTRUSION DETECTION USING HARDWARE SIGNATURES                       |               | Active     | 6/30/2011  | 6/29/2014  | \$ 649,185.00         |

|  |   |            |            |            |                 |
|--|---|------------|------------|------------|-----------------|
| US DEPT OF INTERIOR/INTERIOR BUSINESS CENTER/FORT HUACHUCA, AZ | IARPA: OPTIMIZED RESOURCES AND ARCHITECTURES FOR QUANTUM ALGORITHMS         | Closeout   | 8/1/2011   | 9/30/2013  | \$ 4,960,251.00 |
| US DEPT OF INTERIOR/BUR OF RECLAMATION                         | OPTIMIZATION OF DESALINATION DIFFUSERS USING THREE-DIMENSIONAL LASER-INDU.. | Active     | 9/27/2011  | 9/30/2013  | \$ 101,968.00   |
| US DEPT OF INTERIOR/GEOLOGICAL SURVEY                          | STRUCTURE, SEISMICITY, AND STRESS ALONG THE SAN ANDREAS FAULT NEAR SAFOD..  | Closeout   | 1/1/2012   | 12/31/2013 | \$ 50,656.00    |
| US DEPT OF INTERIOR/GEOLOGICAL SURVEY                          | TESTING STATIC VS DYNAMIC TRIGGERING BASED ON SYSTEMATIC DETECTION...       | Closeout   | 6/1/2012   | 5/31/2013  | \$ 62,898.49    |
| US DEPT OF INTERIOR/INTERIOR BUSINESS CENTER/FORT HUACHUCA, AZ | INTELLIGENT TUTORING AGENTS IN ADAPTIVE TRAINING ENVIRONMENTS               | Closeout   | 6/30/2012  | 6/29/2013  | \$ 162,695.00   |
| US DEPT OF INTERIOR/BUREAU OF LAND MANAGEMENT                  | SENSITIVITY ANALYSIS OF AIR QUALITY TO METEOROLOGICAL DATA IN FIRE...       | Terminated | 9/12/2012  | 9/30/2013  | \$ 24,995.00    |
| US DEPT OF INTERIOR/INTERIOR BUSINESS CENTER/FORT HUACHUCA, AZ | A NEW THEORY OF ALGORITHM-ARCHITECTURE CO-DESIGN                            | Active     | 12/11/2012 | 1/10/2015  | \$ 250,000.00   |
| US DEPT OF INTERIOR/INTERIOR BUSINESS CENTER/FORT HUACHUCA, AZ | DARPA YFA: OBJECT-LEVEL COMMUNICATION FOR HUMAN-ROBOT MOTION GENERATION     | Active     | 8/1/2013   | 7/31/2015  | \$ 250,000.00   |

j. A list of all lawsuits or petitions filed by the organization(s) you represent at the hearing against the federal government in the current year and the previous four years, giving the name of the lawsuit or petition, the subject matter of the lawsuit or petition, and the federal statutes under which the lawsuits or petitions were filed for each of the organization(s).

None.

k. A list of all federal lawsuits filed against the organization(s) you represent at the hearing by the federal government in the current year and the previous four years, giving the name of the lawsuit, the subject matter of the lawsuit, and the federal statutes under which the lawsuits were filed.

None.

l. For tax-exempt organizations and non-profit organizations, copies of the three most recent public IRS Form 990s (including Form 990-PF, Form 990-N, and Form 990-EZ) for each of the organization(s) you represent at the hearing (not including any contributor names and addresses or any information withheld from public inspection by the Secretary of the Treasury under 26 U.S.C. 6104)).

Since Georgia Tech is a government entity, it is not required to file Form 990.