



# THE ELECTRONICS RESURGENCE INITIATIVE

## Select List Of Current Performers

As of February 15, 2019

### **FOUNDATIONAL: CHIPS (Andreas Olofsson)**

Analog Devices, Inc. (Rod Miller); Cadence Design Systems, Inc. (Ken Willis); Ferric, Inc. (Noah Sturcken); Georgia Tech Research Corporation (Sung-Kyu Lim); Intel (Sergey Shumarayev); Intrinsic (Mark Beal); Jariet Technologies, Inc. (Craig Hornbuckle); Lockheed Martin ATL (Kevin Thorson); Micron Technology, Inc. (Glen Edwards); National Institute Of Standards And Technology (Dylan Williams); North Carolina State University (Paul Franzon); Northrop Grumman Aerospace (Jay Bacon); Northrop Grumman Systems Corporation (Pavel Borodulin); University Of California, Los Angeles (Subu Iyer); University Of Michigan (Zhengya Zhang, Michael Flynn)

### **FOUNDATIONAL: CRAFT (Linton Salmon)**

Carnegie Mellon University (Larry Pileggi); Intrinsic (Steve Burack); Mayo Clinic (Barry Gilbert); Nvidia (Brucek Khailany); University Of California, Berkeley (Elad Alon); University Of Southern California (Ewa Deelman)

### **FOUNDATIONAL: HIVE (Wade Shen)**

DOE / Pacific Northwest Laboratory (Andrew Lumsdaine); Georgia Tech Research Corporation (David Bader); Intel (Joshua Fryman); Northrop Grumman Systems Corporation (Julie Huff); Qualcomm (Shekhar Borkar); University Of California, Davis (John Owens)

### **FOUNDATIONAL: JUMP (Linton Salmon)**

Semiconductor Research Corporation (Todd Younkin) [[Current JUMP Participating Universities and Faculty](#)]

### **FOUNDATIONAL: L2M (Hava Siegelmann)**

Applied Brain Research (Chris Eliasmith); Argonne National Laboratory (Angel Yanguas-Gil); Baylor College Of Medicine (Andreas Toliás); Brown University (George Konidakis); Columbia University (Hod Lipson); Duke University (Katherine Heller); Georgia Tech Research Corporation (Konstantinos Dovrolis); Harvard College (Martin Nowak); HRL Laboratories, LLC (Praveen Pilly); Johns Hopkins University (Joshua Vogelstein); Johns Hopkins University Applied Physics Laboratory LLC (Kapil Katyal, Gautam Vallabha); Massachusetts Institute Of Technology (Ron Weiss); Rochester Institute Of Technology (Christopher Kanan); SRI International (Sek Chai); Teledyne Scientific & Imaging, LLC (Mario Aguilar); Tufts College (Michael Levin); Universite Paris Ii Pantheon Assas (Jeremie Cabessa); University Of California, Irvine (Bruce McNaughton); University Of California, San Diego (Terrence Sejnowski); University Of Chicago (Leslie Kay); University Of Florida (Jose Principe); University Of Maryland (David Jacobs); University Of Massachusetts (Erik Learned-Miller); University Of Michigan (Indika Rajapakse); University Of Missouri (Donald C. Wunsch II); University Of Pennsylvania (Eric Eaton); University Of Southern California (Alice Parker); University Of Wyoming (Nicholas Cheney)

### **FOUNDATIONAL: MIDAS (Timothy Hancock)**

Alphacore, Inc. (Esko Mikkola); Columbia University (Harish Krishnaswamy); Georgia Tech Research Corporation (Hua Wang); Jariet Technologies, Inc. (Craig A. Hornbuckle); Johns Hopkins University Applied Physics Laboratory LLC (Matt Gordon); Leland Stanford Junior University (Boris Murmann); North Carolina State University (Brian Floyd); Northrop Grumman Systems Corporation (Pavel Borodulin); Purdue University (Shreyas Sen); Raytheon (James McSpadden); Texas Tech University (Donald Lie); University Of California, Berkeley (Ali Niknejad); University Of Michigan (Michael Flynn); University Of Southern California (Hossein Hashemi)

### **FOUNDATIONAL: N-ZERO (Benjamin Griffin)**

ARM (James Myers); Carnegie Mellon University (Gianluca Piazza); Northeastern University (Matteo Rinaldi); Raytheon (Dan Coffin); United Technologies Research Center (Zaffir Chaudhry); University of California, San Diego (Drew Hall); University of Michigan (Dennis Sylvester); University of Virginia (Steven Bowers)

**FOUNDATIONAL: SSITH (Linton Salmon)**

Charles Stark Draper Laboratory, Inc. (Arun Thomas, Chris Casinghino); Columbia University (Simha Sethumadhavan); Cornell University (Edward Suh); Galois, Inc. (Joseph Kiniry); Lockheed Martin (James Eiche); Massachusetts Institute Of Technology (Adam Chlipala); SRI International (Peter Neumann); Tortuga Logic, Inc (Jason Oberg); University Of California, San Diego (Dean Tullsen); University Of Michigan (Todd Austin)

**PAGE 3 | ARCHITECTURE: DSSoC (Thomas Rondeau)**

Arizona State University (Daniel Bliss); DOE / Oak Ridge National Laboratory (Jeffrey Vetter); IBM (Pradip Bose); Leland Stanford Junior University (Mark Horowitz); Raytheon (Thomas Kazior)

**PAGE 3 | ARCHITECTURE: SDH (Wade Shen)**

Georgia Tech Research Corporation (Vivek Sarkar); Intel (Joshua Fryman); Leland Stanford Junior University (Kunle Olukotun); Nvidia (Stephen Keckler); Princeton University (Margaret Martonosi); Qualcomm (Shekhar Borkar); Systems & Technology Research, LLC (Brad Gaynor); University Of Michigan (Ron Dreslinski); University Of Washington (Michael Taylor)

**PAGE 3 | DESIGNS: IDEA (Andreas Olofsson)**

Cadence Design Systems, Inc. (David White); Northrop Grumman Systems Corporation (Dan D'Orlando); Princeton University (David Wentzloff); Purdue University (Dan Jiao); University Of California, San Diego (Andrew Kahng); University Of Illinois (Tsong-Wei Huang); University Of Michigan (David Wentzloff); University Of Minnesota (Sachin Sapatknekar); University Of Texas At Austin (David Pan); University Of Utah (Pierre-Emmanuel Gaillardon); Yale University (Rajit Manohar)

**PAGE 3 | DESIGNS: POSH (Andreas Olofsson)**

Brown University (Sherief Reda); DOE/Sandia National Laboratory (Eric Keiter); Leland Stanford Junior University (Clark Barrett); Lewiz Communications, Inc. (Chinh Le); Princeton University (David Wentzloff); Synopsys, Inc. (Oleg Raikhman); University Of Southern California (Tony Levi); University Of Utah (Pierre-Emmanuel Gaillardon); University Of Washington (Michael Taylor); University Of Washington (Richard C. J. Shi); Xilinx, Inc. (Edgar Iglesias)

**PAGE 3 | MATERIALS: 3DSoC (Linton Salmon)**

Georgia Tech Research Corporation (Sung Kyu Lim); Massachusetts Institute Of Technology (Max Shulaker)

**PAGE 3 | MATERIALS: FRANc (Young-Kai Chen)**

Applied Materials, Inc. (David Thompson); HRL Laboratories, LLC (Wei Yi); Micron Technology, Inc. (Glen Edwards); University Of California, Los Angeles (Sudhakar Pamarti); University Of Illinois Urbana-Champaign (Naresh Shanbhag); University Of Minnesota (Jian Ping Wang)