**President's Message**

It is hard to believe that a year has gone by since the publication of our first alumni newsletter. As you will see as you peruse this second edition, there have been many exciting developments on all fronts at Georgia Tech-Lorraine — our student enrollments have experienced dramatic growth, we have achieved significant research milestones, and our corporate and alumni activities remain dynamic and productive.

The new building that will house the Lafayette Institute is expected to be completed by the end of 2013. Through all of this, you, our alumni, remain our valued partners and an important part of the GTL story. Your continued engagement is an important factor in our continued growth and success.

**Yves Berthelot named Georgia Institute of Technology's new Vice Provost for International Initiatives**

The Office of the Provost has named Georgia Tech-Lorraine President Yves Berthelot as vice provost for International Initiatives and Steven A. Denning Chair in Global Engagement. Berthelot’s appointment was effective August 22. In this role, he will oversee all of Georgia Tech’s international ventures in education, research, and business development.

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**Editorial**

From the beginning, Georgia Tech-Lorraine’s story has reflected the essence of innovation — of experimentation, and of risk taking. And over time, piece by piece, the experiment of a transcontinental university that would offer unique opportunities in education, research, and economic development has become a veritable model of success.

Our student body, which began with less than 10, has increased to an annual enrollment of undergraduates and graduates of nearly 500. Our research, which began with essentially nothing, has grown exponentially just since 2006, with the establishment of an international research center known as the UMI 2958 GT-CNRS. In fact, this center now serves as an international model for CNRS.

Expanding further, Georgia Tech’s expertise in technology transfer and commercialization has been recognized by French governmental authorities and has led to the establishment of the Lafayette Institute, a portal for innovation in optoelectronics and advanced materials.

How has this all come to be? I believe the answer to this question lies in the collective minds of all of our partners — including you, our alumni. There is no part of Georgia Tech-Lorraine that is “business as usual.” The notion of cross-fertilization is alive at GTL, as our students from every corner of the world gather to learn together; as our researchers forge collaborations across continents; and as we enter into unique partnerships with industry and government. I believe that this is at the core of our success. We are continually challenged by the diverse perspectives, talents and worldviews that all of our partners bring, and what comes from that is, well, what I said before — the essence of innovation.

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**Share Your News!**

**New Job?** Moved recently? Made an addition to your family? Tell us so we can share your news with your fellow alumni. **What projects are you working on?** Share your challenges and accomplishments with fellow alumni. **Brag a little.** It’s all news to us. **Have a company news item or an opinion?** Share these things with your fellow alumni. Let them know what’s going on in your life.

Send your story to GTL-Alumni-newsletter@georgiatech-metz.fr.
On April 2, 2012, key officials from the Lorraine region of France met to sign a Statute of Incorporation, which legally established the Lafayette Institute, a $30 million facility that will facilitate innovations in optoelectronics.

Signatories were Jean-Luc Bohl, president of the Metz Metropole, Jean-Yves Le Déaut, vice president of the Lorraine Regional Council, and François Lavergne, vice president of the Department of the Moselle.

Also present were Dominique Gros, mayor of Metz, Yves Berthelot, president of Georgia Tech-Lorraine, Abdallah Ougazzaden, director of Georgia Tech-Lorraine and director of the Georgia Tech-CNRS Unité Mixte Internationale 2958 Laboratory, and Bernard Kippelen, professor of electrical and computer engineering at Georgia Tech.

At this meeting, Kippelen was officially confirmed as president of the newly established Institute. Berthelot and Ougazzaden will serve as the Institute's vice presidents.

The Lafayette Institute will be housed in a newly constructed 30,000-square-foot building on the Georgia Tech-Lorraine campus and will include a 5,000-square-foot clean room, fully equipped with state-of-the-art semiconductor growth capabilities.

Georgia Tech will provide support from its Enterprise Innovation Institute, the university's business and economic development arm, which aims to help enterprises use science, technology, and innovation to improve their competitiveness. It also will share its expertise from the Nanotechnology Research Center.

The Lafayette Institute will focus on the development of compound and organic semiconductors for technologies at the intersection of materials, optics, photonics, electronics, and nanotechnology. These new technologies will have applications in the energy sector, new display technologies, sensors, and medical technology.

“I am honored by the trust that the stakeholders have placed in me, and I am looking forward to working with the team of the Lafayette Institute,” Kippelen said. “This project is a milestone in the long and fruitful partnership between the Region Lorraine, Georgia Tech, and the State of Georgia and a new chapter in US-French collaboration in higher education and innovation.”

Bernard Kippelen
President of Lafayette Institute

“This project is a milestone in the long and fruitful partnership between the Region Lorraine, Georgia Tech, and the State of Georgia and a new chapter in US-French collaboration in higher education and innovation.”
Message from the Club President

Greetings fellow alumni! This has been a satisfying year of continued connections with our ever-growing network of Georgia Tech/Georgia Tech-Lorraine alumni. We enjoyed nearly monthly opportunities to gather informally in Paris for “happy hour,” with around thirty alumni consistently attending.

In a more formal vein, I introduced a “Key Speaker Series” this year, with our first event in January, when we welcomed Baptiste Benezet, CEO of Applidium, a company that is developing smartphone applications.

Another new Georgia Tech/Georgia Tech-Lorraine alumni initiative this year was a joint event with the Massachusetts Institute of Technology. We had a great turnout of nearly 50 attendees, equally representing both institutions. I would like to expand this in the future to include alumni from all American engineering schools to strengthen and expand our alumni networks.

The year culminated with a visit from Georgia Tech President Bud Peterson in March, to kick off the European fundraising initiative. There were more than 200 alumni, staff, and friends of Georgia Tech at this gala celebration.

I thank all alumni who have participated in, contributed to, and supported our efforts and look forward to another year of successful events. I welcome you all to join our growing network.

Aurelien Cottet
President, Georgia Tech-Lorraine Alumni Association

Georgia Tech Capital Campaign Rolls Out in Paris

The European component of the Georgia Tech Capital Campaign was launched with a “roll out” in London on March 6, and a second event in Paris on March 9.

The Paris event, which was held at the Travelers on the Champs-Elysees, drew more than 200 attendees. This festive evening was highlighted by a speech from Aurelien Cottet, president of the Georgia Tech Alumni Association in France, who spoke of his desire to invest in the next generation through his contribution to the Georgia Tech Scholarship Challenge.

The $100,000 Scholarship Challenge fund, which was allocated by Georgia Tech President G. P. “Bud” Peterson, has been augmented by an additional $46,000 in faculty contributions. Georgia Tech-Lorraine alumni have committed nearly $37,000 to this fund so far. Each additional alumni contribution will represent an important step forward in establishing a permanent tradition of philanthropic giving in France.

To contribute to the Scholarship Challenge, visit www.georgiatech-metz.fr/scholarshipchallenge.
Georgia Tech-Lorraine Research News

Through the leadership of Abdallah Ougazzaden, director of the CNRS Georgia Tech UMI 2958 Laboratory, Georgia Tech-Lorraine is a recognized world leader in optics and secure communications, advanced materials and nanotechnology, and multifunctional materials. In this leadership role, Georgia Tech has forged innovative research collaborations and partnerships.

Following are brief descriptions of a few recent research developments.

**UMI-SILSEF Joint Laboratory**

Silsef, a company specializing in nano surface structures, and Georgia Tech-Lorraine’s UMI 2958 Laboratory have created a joint laboratory, conducting groundbreaking research in:

- III-N Silicon Hybrid Integration for Photovoltaics and Sensor Application
- Hybrid Integration of GaN and Photonic Crystal on Silicon
- Nano-Heterostructures for Opto-Electronic Scintillators and Neutron Sensors

This research is enabled by a $1.6 million Metal Organic Vapor Phase Epitaxy (MOVPE), the enabling technology for epitaxial growth of compound semiconductor devices. This venture is 100 percent privately financed by Silsef and GTL.

**LabEx**

Georgia Tech-Lorraine, through its CNRS UMI 2958 Laboratory, has partnered with a national network of public and private entities in the creation of a "Laboratory of Excellence" — LabEx. LabEx is pioneering the manufacture of Gallium Nitride-based electronic and photonic components, which promise to significantly advance the state-of-the-art in new materials, with correspondingly significant impact on industrial applications.

**The Materials & Processes OpenLab**

Peugeot Société Anonyme (PSA) selected Georgia Tech-Lorraine as one of three university research entities to establish a new Materials and Processes OpenLab, coordinated by the UMI 2958 GT-CNRS laboratory. The partners were selected for their recognized capabilities in robotics and in innovative materials and processes, such as nanomaterials, surface treatments, and composites.

The Materials & Processes OpenLab is coordinated by UMI GT-CNRS and housed in the Georgia Tech-Lorraine building.

**2015 International Congress on Ultrasonics**

Georgia Tech-Lorraine has won its bid to organize and host the 2015 International Congress on Ultrasonics, which will be held in Metz in June 2015. Nico F. Declercq, a permanent member of the Georgia Tech-Lorraine faculty, serves as president of the 2015 International Congress on Ultrasonics.
Damien Rontani, MSEE, 2005, PhD ECE, 2011

Diplôme d’Ingénieur, Ecole Supérieure d’Electricité (Supélec) 2006
Doctorat en Physique, Ecole Supérieure d’Electricité (Supélec) 2011

Damien Rontani was born in Paris but spent his childhood in the south of France, in the Aix-en-Provence region. He completed his preparatory classes in Nice and was accepted into Supélec, Paris, where he studied for two years.

He did his mandatory internship with SAGEM, a French company engaged in defense, telecommunications, and security, which ignited his interest in these areas of electrical engineering.

When he learned about Georgia Tech-Lorraine and its preeminence in telecommunications, he decided to pursue a double degree. Once there, after taking and passing the preliminary exam, he decided to pursue a double doctoral degree. His first challenge was finding advisors from both Supélec and Georgia Tech-Lorraine to jointly supervise his doctoral research. He also secured a graduate fellowship from Fondation Supélec, the Région Lorraine, and Georgia Tech.

After completing his double master’s in Metz, Rontani came to the United States to complete his doctoral studies. Having mostly lived in villages with populations of less than 5,000, he wondered with some trepidation how he would adapt to living in the big city of Atlanta. He was surprised to find an almost small town feeling in the community of students at Georgia Tech and was pleasantly surprised by the welcoming kindness of the Atlanta community.

“I guess this is what they mean when they talk about Southern hospitality,” Rontani says. Over the two years he spent completing his doctoral work, he came to love what he affectionately calls the “Old South.” He successfully completed his doctorate last September, and his research was recognized by an award for “Excellence in PhD Publications” given by Supélec Foundation in coordination with the Office of Research and Industrial Relations of Supélec.

Although he had intended to return to France upon completion of his doctorate, Rontani, like so many others, felt his US experience was too brief and decided to extend his stay. He secured a postdoctoral fellowship with Duke University in 2011, where he is currently researching the application of chaos and network theory in photonics and electronics.

His future feels wide open, and Rontani is receptive to any opportunity that may fall his way. He has earned a double master’s degree and a joint doctoral degree, and he thinks it is possible that one day he may even become a US citizen and enjoy dual citizenship. “I guess I like to do double ‘everything,’” he says.

Derek Treatman grew up in Syracuse, New York, and earned his undergraduate degree in electrical engineering from the State University of New Jersey. Upon graduation, he turned his sights to Georgia Tech because of its top national ranking in engineering.

When he learned about the graduate program at Georgia Tech-Lorraine, he “jumped on the opportunity,” having cultivated a love of French language and culture during a two-month sojourn in the country. His school of choice for the double degree program was Supelec. He was the only American in the program at the time, and he found that the courses were highly theoretical and the pedagogical differences were not easy to adjust to. But he rose to the challenge and embraced the opportunity to study and socialize in a virtually all-French environment. In the process, he became fluent in the language.

His acquired fluency served him well when he spent a semester in Paris with Silicom, a telecommunications company, which he says was the best part of his French experience. Upon graduation, he returned to the US, where he worked in the “science side of information technology” with Mount Sinai Medical Center.

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Soon, he felt compelled to move on. Over the next two years, he lived in Panama, Mexico, and Tunisia. He
learned to speak Spanish and Arabic, and he worked — sometimes as a volunteer, sometimes on staff — as a hospital database administrator and on community health care projects. “I did not know how all the pieces would fit in,” he says, “but knew with certainty that I eventually wanted to combine my love of language and culture, my interest in the medical field and, of course, my engineering training in my career and life.”

The pieces came together when he attended a conference on telemedicine in Luxembourg. There he met someone from the Rockefeller Foundation, who connected him with Dimagi, an enterprise that offers services in the fields of healthcare, clinical trials, and community health development. Derek was offered a Technical Fellowship doing field work in India, in collaboration with local NGOs. He considered this the realization of his passions for culture, language, medicine, and engineering.

He worked in impoverished communities with local health care providers to develop applications to deliver health care information. He later became an independent consultant, working with, but not for Dimagi.

Treatman recently was hired by Columbia University to work in Ethiopia. Having added Hindi to his arsenal of languages, he now looks forward to learning Amharic. He feels that his experience at Georgia Tech-Lorraine played a significant role in releasing his passion for learning new languages, embracing diverse cultures, and exploring unchartered paths.

Corporate Announcements

Wireless communications is a rapidly growing industry. Think of the numerous applications enabled by this technology such as Internet-enabled cell phones, smart homes and appliances, automated highway systems, video teleconferencing, GPS, or autonomous sensor networks that have emerged in the last few years. The potential is huge. And as an innovative leader in test and measurement solutions for this market, Microwave Vision Group (MVG) is well positioned to grow with it.

MVG combines the technical expertise of SATIMO, ORBIT/FR, and AEMI. We deliver measurement solutions for antenna, RCS and radome testing and wireless device certification. Our products include antenna measurement and testing systems, positioning subsystems, anechoic chambers, measurement software, radio frequency safety measurement products, and industrial control benches. MVG’s 18 offices worldwide are dedicated to supporting the defense, aerospace, telecom, university R&D, automotive, RF safety and material measurement industries. Our clients include Boeing, General Motors, Nokia, and yes, Georgia Tech, as well as many other international companies.

Our broad portfolio and knowledge base places us at the forefront of the electromagnetic test and measurement community. Many of our products present important scientific and technical challenges. Future products will explore innovative imaging techniques including new software and hardware development.

Peter Renner, who earned his master’s from Georgia Tech-Lorraine in electrical and computer engineering in 2009, discovered Satimo during his studies. “I stumbled upon Satimo during my studies at Georgia Tech Lorraine and knew immediately I had found a company I was well matched for. My specialization in Telecommunications and Electromagnetics made the integration into Satimo seamless. I have found that GTL gave me a competitive advantage in the field I now work in.”

As a growing company, we continue to seek qualified engineers to join us. If you aspire to work for an innovative, international company, in a market of strong growth and potential and you enjoy working in a team, we invite you to send us your CV at: rh@satimo.fr.
management of functional groups or projects.

Rolls-Royce’s business offers challenges likely to motivate any engineer: preparing tenders against strong competition, negotiating world-wide, being directly involved in safe reactor operation, designing within a demanding regulatory environment, and being surrounded by international partners.

Schlumberger

Schlumberger is the world’s largest oilfield service company. Working globally, Schlumberger invents, designs, engineers, and applies technology to help customers find and produce oil and gas safely.

Two Georgia Tech-Lorraine alumni are part of this corporate team: Arnaud joined Schlumberger in 2006, with a master’s in mechanical engineering. Now on his fourth assignment, he works as a manufacturing engineer in Clamart, France. “The work is varied and challenging and you are given responsibility from day one,” he said. “In my last project I redesigned part of a tool to fit field requirements—leading to USD 300K savings.”

Anne graduated in 2001 with a master’s in computer and electrical engineering. She immediately joined Schlumberger as a software engineer in the US. She is currently working as project manager in India, helping to set up a new center. “I’ve been exposed to different countries, cultures, people, job profiles and responsibilities, and technologies,” she said.

One of her most memorable experiences was the first field test of a downhole sensor she helped design. She was able to follow the job real-time. “The thrill was equivalent to a sky dive tandem jump!” she said. “And it worked!”

Schlumberger is interested in talented engineers like Arnaud and Anne and can be contacted at www.careers.slb.com.

The world leader in mineral-based specialty solutions for industry, Imerys transforms a unique range of minerals to deliver essential functions such as heat resistance, conductivity and barrier effect – all essential to its customers’ products and manufacturing processes.

Whether mineral components, functional additives, process enablers, or finished products, Imerys solutions contribute to the quality of a great number of applications in consumer goods, industrial equipment, and construction. Combining expertise, creativity, and attention to customers’ needs, Imerys international teams continuously identify new applications and develop high value-added solutions, driven by a determined approach to responsible development. Imerys constantly seeks new talent, especially from schools such as Georgia Tech.

An exemplary employee is Sylvain Laugier, an alumnus of Georgia Tech-Lorraine who currently serves as Project Manager. He is working for North America Filtration Minerals, located in Lompoc, California, and is currently responsible for project implementation and production line renewal and development.

“Every challenge I meet serves as a great opportunity to learn and develop new skills,” he said. “I am exposed to Imerys’ extensive professional network from which I can collaborate, share best practices, and come up with innovative solutions to the trickiest challenges.”

Georgia Tech-Lorraine grads continue to distinguish themselves. Guillaume Tellier, a process engineer located in Cornwall, United Kingdom, recently was named "Best Young Engineer of the Société de l’Industrie Minéral (SIM)."

Manhattan Associates is the supply chain solutions provider of choice for supply chain leaders around the world — for multi-channel retailers, consumer goods manufacturers, pharmaceutical companies, 3PLs, and wholesale distributors. Our platform-based approach to supply chain has helped companies worldwide achieve measurable efficiencies including decreased labor and inventory costs and improved asset utilization.

Manhattan Associates consistently invests in R&D, with a typical annual growth rate of 15 percent. The largest rate of growth is in France, and Manhattan France continually seeks to recruit talented associates. Since January 2012, 15 new consultants have joined our project teams.

Working at Manhattan Associates is about teamwork, learning new skills, doing rewarding work, and making a difference. Developing new talent is a priority for us as we grow our company and expand our leadership in supply chain and logistics.

Manhattan Associates is recruiting for two departments: Professional Services and Customer Support. Candidates should be fluent in English and come from the top engineering French schools with an IT or supply chain focus.

“I started co-oping at Manhattan during my second year at Georgia Tech. Manhattan challenges me every day to think differently, while giving me the opportunity to see how top companies in retail markets stay ahead of their competition,” said Tarik Small, senior consultant, coming from the Georgia Institute of Technology with a BS in computer engineering.

Apply at www.manh.com/about-us/careers/career-opportunities.
Six of the thirteen France-Atlanta events took place on the Georgia Tech campus. Georgia Tech-Lorraine, a major partner in this program, offered a symposium on October 27, on US-French Collaborations in Research and Development. This event was opened by President Peterson and featured Ambassador Delattre.

an innovative approach to networking

Feedbac (www.feedbac.fr) is a personalized and interactive forum for high school students, where they can be guided through their higher education through “feedback” from alumni. Stéphane Racowski, a Georgia Tech-Lorraine/ENSAM MSME 2011 alumnus, created this forum with two others in 2012 and will launch it nationally in 2013. Feedbac is currently supported by several academic partners, including Arts et Metier Paris Tech. Georgia Tech-Lorraine expects to join the network of Feedbac sponsors in 2013.

France-Atlanta 2011:
A Catalyst for Franco-American Cooperation

In 2010, the Consulate General of France in Atlanta and the Georgia Institute of Technology launched a two-week event, “France-Atlanta: Together Towards Innovation 2010.” This program offered more than twenty events, which were organized under scientific, business, cultural, and humanitarian domains.

Encouraged by the success of this event, Pascal Le Deunff, Consul General of France in Atlanta, and Georgia Tech President G.P. “Bud” Peterson put their support behind “France-Atlanta 2011,” which took place October 26 – November 12, 2011. Offered once again under the auspices of the Ambassador of France to the United States, His Excellency François Delattre, the series of events attracted high profile participants and a large audience of almost 3,500 people.

GTL Welcomes Two New Advisory Board Members

Georgia Tech-Lorraine welcomed two new Advisory Board members this year:

Georgia Tech alumnus Allen C. Merrit earned his bachelor’s, master’s and doctoral degrees all from Georgia Tech, in chemical engineering. He currently serves as managing director for Allen & Associates Consultants, Inc., where he provides consulting expertise in business-to-business marketing, process automation, packaging, and bioenergy.

Merritt has the added distinction of being the most recent sponsor of a $10,000 gift to the Georgia Tech-Lorraine Scholarship Challenge.

Christian Estève was born in Alegria and graduated from the École des Hautes Études Commerciales (HEC) de Paris, one of the foremost business schools in France and in Europe.

In 2003, Estève was appointed deputy secretary general of the Renault group. He subsequently assumed the role of leader in Renault’s Euromed and Eurasia regions. He then played a leadership role in two Russian automotive companies, serving as director general of Avtoframos, and CEO of AvtoVAZ.

In 2011, he joined the French Ministry of Higher Education and Research as the director general for Research and Innovation entrusted with the mission of business, technology transfer, and regional initiatives. He holds the title of Knight of the Legion of Honour and the Order of Merit, Romanian.

GTL President Assigned Grade of Knight

On Oct. 26, 2011, Georgia Tech-Lorraine President Yves Berthelot was assigned the grade of “Chevalier dans l’ Ordre National du Mérite” — that is, Knight in the French National Order of Merit — by the French Ambassador to the United States, His Excellency François Delattre.

This honor reflects the recognition and appreciation of the French government for Berthelot’s role in advancing the education, research, and economic development of France.

French nationals, as well as nationals of foreign countries, can be received into the Order for distinguished and meritorious service to French society. The Order was established in 1963 by Charles de Gaulle. The president of the French Republic is the Grand Master of the Order and appoints its members on the advice of the government. This represents the second highest civilian award accorded by France.