<u>Speaker Bio</u>

U.S. Department of Commerce
National Telecommunications and Information Administration
February 25, 2014 Privacy Multistakeholder Meeting
Facial Recognition Technology

1:00 p.m. – 5:00 p.m. ET
American Institute of Architects, 1735 New York Ave. NW, Washington, DC

Dr. Marc A. Vaillant (Vice President and Chief Technology Officer, Animetrics Inc.)

Dr. Marc Vaillant serves as Animetrics' CTO and is responsible for driving the development, delivery and evolution of Animetrics' facial biometric solutions – the company's growing portfolio of advanced 3D facial recognition, facial identity management and identity resolution technology, applications and Cloud-based services.

An applied mathematician and software architect, Dr. Vaillant has spent 10 years developing desktop and server computer vision imaging applications and biometric algorithms. Dr. Vaillant also has five years of experience developing mobile iOS and Android applications.

Dr. Vaillant joined Animetrics after completing his Ph.D. in Biomedical Engineering at Johns Hopkins University, where he developed diffeomorphometry for the study of 2-dimensional surface manifolds (embedded in 3D) in Computational Anatomy via geometric currents. This theory forms the core basis of the Animetrics patented 2D-3D family of technologies for applying 3D pose correction enhancing FR performance.

As the lead architect for Animetrics, Dr. Vaillant designed and led the implementation of the company's facial biometric cloud services architecture (FIMS Cloud) built around modern horizontal scaling principles for high throughput load handling (web farming, FastCGI, real-time map reduce via Storm) and large scale parallel database searching (MongoDB, Storm). Most recently, Dr. Vaillant led the Animetrics team with the first implementation of real-time map-reduce facial recognition web service solutions via Twitter's Storm.

Dr. Vaillant represents Animetrics as part of the INCITS biometrics standards M1 committee and is responsible for Animetrics' participation in the NIST FRVT tests.