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## FotoNation and VeriSilicon Collaborate on Next Generation, Advanced Computer Vision and Computational Imaging Platform - IPU2.0

*New solutions will be showcased at CES 2017*

SAN JOSE, Calif.--(BUSINESS WIRE)-- [Tessera Holding Corporation](#) (Nasdaq: TSRA) (the "Company" or "Tessera") today announced that its wholly owned subsidiary, [FotoNation Limited](#), and VeriSilicon Holdings Co., Ltd. ("VeriSilicon"), have entered into an agreement to jointly develop a next generation image processing platform that offers best-in-class programmability, power, performance and area for computer vision (CV), computational imaging (CI) and deep learning. The market-ready IP platform, named IPU 2.0, will be available for customer license and design in the first quarter of 2017. IPU 2.0 offers a unified programming environment and pre-integrated imaging features for a wide range of applications across surveillance, automotive, mobile, IoT and more.

FotoNation's hybrid imaging approach tightly coupled with VeriSilicon's parallel computation capabilities makes IPU 2.0 the ideal platform to deliver industry proven computer vision, computational imaging and deep learning solutions to the market. IPU 2.0 offers differentiation via open initiatives such as: OpenVX, OpenCL, OpenCV, Caffe and TensorFlow, facilitating seamless, concurrent processing between computer vision, computational imaging and deep neural networking features. The joint technology and IP development agreement combines unique technologies from both companies and brings to market an imaging platform preloaded with a wide range of industry proven real-time parallel-execution imaging features.

According to a recent report by the market intelligence firm, Tractica, the computer vision hardware and software market is estimated to grow from \$6.6 billion in 2015 to \$48.6 billion by the year 2022.<sup>1</sup> Tractica credits automotive, sports and entertainment, consumer, robotics and machine vision, security and surveillance, agriculture, retail and medical markets for growing market demand for high performance, fast and low-power embedded vision solutions.

"With the introduction of IPU2.0, FotoNation and VeriSilicon are raising the bar for computer vision and computational imaging technologies by offering the best combination of programmability, power, performance and area in the market," said Sumat Mehra, senior vice president and general manager, FotoNation. "We have teamed up with VeriSilicon to help our OEM and ODM customers accelerate the development and delivery of end-to-end integrated computer vision applications and systems with our latest CV, CI and deep learning capabilities. These new solutions fill an important need in the market as OEMs and ODMs integrate computer vision and advanced imaging applications across their product portfolios."

"VeriSilicon's proven and scalable vision processor core family has been adopted by world's leading automotive and surveillance suppliers over the years," said Weijin Dai, EVP, chief strategy officer and general manager of the IP Division, VeriSilicon. "These highly power efficient, scalable processors with deep learning CNN technology in a unified programming environment unleashes great potential in an increasingly connected world with big data analytics and artificial intelligence. Working closely with FotoNation, we will jointly provide the total solution to address the challenges in intelligent devices."

For more information, or to get an early preview of the FotoNation and VeriSilicon solutions at CES, please visit the FotoNation suite (Westgate Hotel, North Tower, Floor 23, Suite 121) or the VeriSilicon suite (Westgate Hotel, North Tower, Floor 26, Suite 121).

### **About Tessera Holding Corporation**

Tessera Holding Corporation is the parent company of Tessera, DTS, FotoNation and Invensas. We are one of the world's leading product and technology licensing companies. Our technologies and intellectual property are deployed in areas such as premium audio, computational imaging, computer vision, mobile computing and communications, memory, data storage, 3D semiconductor interconnect and packaging. We invent smart sight and sound technologies that enhance and help to transform the human connected experience. For more information, call +1 408-321-6000 or visit [www.tesseractholdingcorporation.com](http://www.tesseractholdingcorporation.com).

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### **About VeriSilicon Holdings Co. Ltd.**

VeriSilicon Holdings Co., Ltd. is a Silicon Platform as a Service (SiPaaS<sup>TM</sup>) company that provides IP-centric, platform based custom silicon solutions and end-to-end semiconductor turnkey services for a wide range of applications across a wide variety of end markets including mobile internet devices, datacenters, the Internet of Things (IoT), wearable electronics, smart homes, and automotive.

VeriSilicon's SiPaaS solutions shorten design cycle, enhance quality, and reduce risk. The breadth and flexibility of our SiPaaS solutions make it an attractive alternative for a variety of customer types, including both emerging and established semiconductor companies, Original Equipment Manufacturers (OEMs), Original Design Manufacturers (ODMs), and large Internet platform companies.

VeriSilicon's silicon platforms include licensable Vivante GPU cores and vision image processors, ZSP® (digital signal processor) based HD audio, HD voice, multi-band and multi-mode wireless platforms, Hantro HD video platforms, wearable electronics platforms, IoT platforms, mixed signal NUI (natural user interface) platforms for voice, motion and touch interface. VeriSilicon's custom silicon turnkey service encompasses design service that combines its technology solutions and value-added mixed signal IP portfolio targeted for a wide range of process technology nodes, including advanced nodes like 28nm and 22nm FD-SOI, FinFET and provide product engineering service for System on a Chip (SoC) as well as System in a Package (SiP).

Founded in 2001 and headquartered in Shanghai, China, VeriSilicon has over 600 employees with six R&D centers (China, US and Finland) and nine sales offices worldwide.

### **Forward-Looking Statements**

This press release contains forward-looking statements, which are made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements involve risks and uncertainties that could cause actual results to differ significantly from those projected, particularly with respect to the expected benefits of FotoNation's agreement with VeriSilicon; the availability, characteristics, benefits and features of IPU 2.0; and the projected growth of the computer vision hardware and software market. Material factors that may cause results to differ from the statements made include the plans or operations relating to the businesses of the Company; market or industry conditions; changes in patent laws, regulation or enforcement, or other factors that might affect the Company's ability to protect or realize the value of its intellectual property; the expiration of license agreements and the cessation of related royalty income; the failure, inability or refusal of licensees to pay royalties; initiation, delays, setbacks or losses relating to the Company's intellectual property or intellectual property litigations, or invalidation or limitation of key patents; fluctuations in operating results due to the timing of new license agreements and royalties, or due to legal costs; the risk of a decline in demand for semiconductors and products utilizing FotoNation technologies; failure by the industry to use technologies covered by the Company's patents; the expiration of the Company's patents; the Company's ability to successfully complete and integrate acquisitions of businesses; the risk of loss of, or decreases in production orders from, customers of acquired businesses; financial and regulatory risks associated with the international nature of the Company's businesses; failure of the Company's products to achieve technological feasibility or profitability; failure to successfully commercialize the Company's products; changes in demand for the products of the Company's customers; failure to successfully commercialize the Company's products; changes in demand for the products of the Company's customers; limited opportunities to license technologies due to high concentration in the markets for semiconductors and related products; the impact of competing technologies on the demand for the Company's technologies; failure to realize the anticipated benefits of the Company's recent acquisition of DTS, Inc., including as a result of integrating the business of DTS; pricing trends, including the Company's ability to achieve economies of scale; the expected amount and timing of cost savings and operating synergies; and other developments in the markets that the Company operates, as well as management's response to any of the aforementioned factors. You are cautioned not to place undue reliance on the forward-looking statements, which speak only as of the date of this release.

The foregoing review of important factors should not be construed as exhaustive and should be read in conjunction with the other cautionary statements that are included herein and elsewhere, including the Risk Factors included in the Company's recent reports on Form 10-K and Form 10-Q and other documents of the Company on file with the Securities and Exchange Commission (the "SEC"). Any forward-looking statements made or incorporated by reference herein are qualified in their entirety by these cautionary statements, and there can be no assurance that the actual results or developments anticipated by the Company will be realized or, even if substantially realized, that they will have the expected consequences to, or effects on, the Company or its business or operations. Except to the extent required by applicable law, the Company undertakes no obligation to update publicly or revise any forward-looking statement, whether as a result of new information, future developments or otherwise.

<sup>1</sup> "Computer Vision Technologies and Markets," Tractica, 2Q 2016

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