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The 9 th DVN Workshop was held at Seoul, South Korea on 24–25 June with 200 attendees from automakers, tier-1 and -2 suppliers, researchers, regulators, and individuals who develop, build, specify, and regulate vehicle lighting around the world.

DVN asked worldwide experts to share their vision, predictions, and desires about automotive lighting technologies in the 2020-25 timeframe, including specificities in Asia. Twenty-two exceptionally stimulating presentations and five round table panel discussions illustrated how each contributor sees the technology and how they might be focusing their choices on investments in engineering, materials, people, and production.

In every presentation, a common thread confirmed the consensus outcomes of the Paris workshop: automotive lighting has dramatically changed over the years, the rate of change is accelerating, and its future will become more complex and interesting with styles continuing to become more diverse and innovative. Today in 2014, design and creative styling are already greatly influencing how lighting will be engineered and in many cases, posing a significant engineering challenge to incorporate the visual cues of the design and deliver it to production.

Session 1. Experts from Audi and Hyundai Motors shared their visions, concerns, and views of lighting innovation with emphasis on the fast and significant change and growth in this technology.

Session 2 was primarily focused on five tier-1 suppliers: AL, Varroc, SL, IHL, and Mobis. They explained how the speed of innovation will continue to increase, challenging everyone in terms of resources, cost, time to market, and legislation. Static LED ADB Systems for glare-free high beam is the trend and the preferred solution for the future, though regulatory barriers remain (notably in North America). Proliferation of new light sources such as OLED and laser on top of numerous LED sources will lead to an ever-growing complexity which should lead to a standardisation of modules.

Session 3 centred around LED manufactures. Each shared a prediction of how LED light sources will evolve and grow in sophistication, and how they must stay in step with the fast pace of design that keeps pushing innovation and product uniqueness. Nichia, Osram, Philips, and Seoul SC as well as the University of Hannover's HOT touched on LED package designs,

intelligent light sources, the challenges of laser diodes, and the significant interest in their possibilities.

Session 4 dealt with simulations, particularly emphasising the huge possibilities for simulation work and development to countervail the tendency of new technologies and techniques to lengthen the development cycle.

Session 5 started with presentations from AML Systems and Docter Optics, DEKRA and LMT. Following these, GTB President Geoff Draper made an excellent and visionary presentation about the challenges of international regulatory harmonisation. He warned of possible organisational changes which could affect regulatory processes and outlined the critical needs that must be addressed urgently before closing the session with a panel discussion.

This report summarises all the presentations and the round tables. The reader is referred to the original lecture slides. The innovative systems, products, and components discussed during the Workshop are summarised herein.