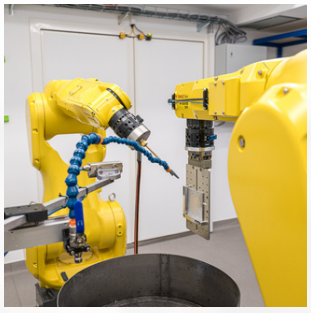
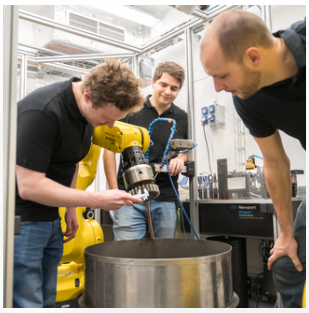
SYMPOSIUM: LASER SHOCK PEENING FOR THE AEROSPACE INDUSTRY

NLR Marknesse, Voorsterweg 31
8316PR Marknesse, The Netherlands

23 May 2024
11:00 - 17:30

Laser shock peening technology improves the structural performance of metal parts by creating intense shock waves that put compressive stress deep into the metal. This process extends the service lifetime of critical parts such as aircraft engine fan blades and landing gear components by three to five times compared to conventional peening treatments. It also improves fatigue life, decrease the crack growth rate, and increase the resistance to cracking and corrosion, leading to lighter and stronger products with the potential for entirely new designs.

11:00	**Registration with coffee**
11:30	**Welcome speech** (Borit ZWERINK | NLR)
11:45	**Laser Shock Peening for Improving Reliability & Endurance of Aerospace Components** (Sanin ZULIĆ, Jan KAUFMAN | HiLASE Centre)
12:30	**Lunch**
13:30	**Testing Capabilities and Research Objectives Regarding Laser Peening** (Borit ZWERINK | NLR)
14:15	**Coffee break and networking**
15:00	**Final Qualification & Implementation of Laser Peening on F-35B&C Fatigue and Fracture Critical Components** (Scott CARLSON | Lockheed Martin)
15:30	**Lab tour**
16:30	**Networking and drinks**

REGISTRATION OPEN UNTIL 15 MAY AT TINYURL.COM/LPSYMPOSIUM

PLEASE CONTACT US AT **LASERPEENING@NLR.NL** WITH ANY QUESTIONS.
A VALID ID OR PASSPORT IS REQUIRED WHEN VISITING THE NLR PREMISES.