

all partners

Reporting Period: January - December 2019

Dissemination & Communication

Publications in Journals and Proceedings

| Nr. | Reference of Publication / DOI | Short description (relevance for project) | Related WP | Open Access yes/no? Link to publication | Acknowledgement of EC funding yes/no? | Appearance at the Webpage | Partner |
|-----|---|--|------------|---|---------------------------------------|---|---------|
| 1 | https://doi.org/10.1364/CLEO_AT.2019.JM3E.2 | Invited presentation presented by Dr. Dirk Sutter, TRUMPF Laser GmbH, at the Symposium on High Average Power Ultrafast Lasers: Trends, Challenges & Applications, Conference on Lasers and Electro-Optics (CLEO) 2019 - Review of "High Power and High Energy Ultrafast Disk Lasers for Industrial Applications" and Outlook on LAMPAS project goals | WP2 | No (non peer-reviewed, open access not mandatory) | Yes | D. H. Sutter, T. Dietz, D. Bauer, R. Scelle, A. Budnicki, A. Killi, M. Jenne, J. Kleiner, D. Flamm, M. Sailer, M. Kumkar: High Power and High Energy Ultrafast Disk Lasers for Industrial Applications; Symposium on High Average Power Ultrafast Lasers: Trends, Challenges & Applications, Conference on Lasers and Electro-Optics (CLEO), 2019 | TRUMPF |

Oral talks and posters

| Nr. | What? | Short description (relevance to project) | Costs in € | Reference/Link | Partner | Appearance at the Webpage | Date |
|-----|---------------------|--|------------|---|---------|--|-----------|
| 1 | Conference/Workshop | LAMPAS was presented at NANO2019 conference, Buenos Aires, Argentina | | https://www.nano2019.com/ | TUD | A.F. Lasagni: Nuevos desafíos para la fabricación de superficies funcionales utilizando tecnologías laser, XIX Encuentro de superficies y materiales nanoestructurados (Nano 2019), June 2019, Buenos Aires, Argentina (plenary talk). | June 2019 |
| 2 | Conference/Workshop | LAMPAS at EPIC Meeting on Surface Structuring at Laser World of Photonics, Munich, Germany | | https://www.epic-assoc.com/epic-meeting-on-surface-structuring-at-laser-world-of-photonics/ | TUD | A.F. Lasagni: Laser processing strategies for high-throughput low cost production of surfaces, at EPIC Meeting on Surface Structuring, Laser World of Photonics, June 2019, Munich, Germany (invited). | June 2019 |

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| 3 | Conference/Workshop | LAMPAS at LAMP2019, Hiroshima, Japan | | http://www.jlps.gr.jp/lamp/amp2019/ | TUD | A.F. Lasagni, B. Voisiat, T. Kunze, S. Alamri, C. Zwahr, M. El-Khoury, F. Rößler, New possibilities for Direct Laser Interference Patterning: hierarchical, complex and non-symmetric textures for surface functionalization, 8th International Congress on Laser Advanced Materials Processing, May 2019, Hiroshima, Japan. | May 2019 |
| 4 | Conference/Workshop | LAMPAS at joint session meeting of DGM Expert Committee "Functionalisation of Surfaces by Micro- and Nano Patterning Techniques" (Vienna, Austria) | | https://www.dgm.de/en/network/technical-committees-general-overview/functionalisation-of-surfaces/ | TUD | A.F. Lasagni: Functionalization of surfaces using laser based processes, DGM Expert Committee "Functionalisation of Surfaces by Micro- and Nano Patterning Techniques", April 2019, Vienna, Austria (invited). | April 2019 |
| 5 | Conference/Workshop | LAMPAS at workshop on Tribology at Schmalkalden, Germany | | https://www.wotech-technical-media.de/veranstaltungen/Dokumente-Termine/Flyer_Seminar_Tribologie_GFE_4_2019_final.pdf | TUD | A.F. Lasagni: Technologien in der Laserstrukturierung, Anwendungsbeispiele mit Bezug zur Tribologie, workshop "Tribologie, von der Grundlage bis zur Anwendung", April 2019, Schmalkalden, Germany (invited). | April 2019 |
| 6 | Conference/Workshop | LAMPAS at Precision and Freeform Optics held at WZW OPTIC AG on March 7-8, in Balgach, Switzerland. | | https://www.epic-assoc.com/epic-meeting-on-freeform-optics-at-wzw-optik/ | TUD | F. Roessler and A.F. Lasagni: Direct Laser Interference Patterning: how to make high precision surface structures with high precision optics?, EPIC Meeting on Precision and Freeform Optics, March 2019, Balgach, Switzerland (invited). | March 2019 |
| 7 | Conference/Workshop | LAMPAS at Summer School in Dresden, August 26-30 | | https://www.iws.fraunhofer.de/en/events/archive_2019/summer_school.html | TUD | A.F. Lasagni: Direct Laser Interference Patterning (DLIP), 8th International Summer School "Trends and new developments in Laser Technology 2019, August 2019, Dresden, Germany. | August 2019 |
| 8 | Conference/Workshop | LAMPAS at DocMASE Summer School in Saarbrücken, September 24 | | https://www.facebook.com/eusmat.materials/ | TUD | A.F. Lasagni, Laser Precision microfabrication, DocMASE Summer School, September 2019, Saarbrücken, Germany. | September 2019 |

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| 9 | Conference/Workshop | Presentation LWP-2019 - MunichEPIC Meeting on Surface Structuring at Laser World of Photonics June 26-27, Munich | | https://www.epic-assoc.com/epic-meeting-on-surface-structuring-at-laser-world-of-photonics/ | NIT | G. Vergara: High speed MWIR cameras for monitoring laser based surface texturing processes, EPIC Meeting on Surface Structuring at Laser World of Photonics, June 2019, Munich, Germany. | June 2019 |
| 10 | Conference/Workshop | Presentation LWP-2019 - MunichEPIC Meeting on Surface Structuring at Laser World of Photonics June 26-27, Munich | | https://www.epic-assoc.com/epic-meeting-on-surface-structuring-at-laser-world-of-photonics/ | LASEA | J.A. Ramos de Campos: High accuracy laser micro-processing: 3D processing of complex parts, EPIC Meeting on Surface Structuring at Laser World of Photonics, June 2019, Munich, Germany. | June 2019 |
| 11 | Conference/Workshop | Plenary talk at "11. Mittweidaer Lasertagung", November 2019, Mittweida, Germany. | | https://www.lasertagung-mittweida.de/programm/ | TUD | A.F. Lasagni: Neue Herausforderungen bei der Durchsatzsteigerung der Oberflächenfunktionalisierung mittels Direkter Laserinterferenzstrukturierung (in german), 11. Mittweidaer Lasertagung, November 2019, Mittweida, Germany (plenary). | November 2019 |
| 12 | Conference/Workshop | LAMPAS at EPIC Meeting on High Power Laser Systems, October 10-11, Almelo, The Netherlands | | https://epic-events.eu/epic/2019/pbf2019/191010_EPIC_PBF2019_P13.pdf | TUD | N. Schröder, V. Lang, T. Kunze, A.F. Lasagni: High-throughput laser processing using direct laser interference patterning, EPIC Meeting on High Power Laser Systems 2019, October 2019, Almelo, Netherlands. | October 2019 |
| 13 | Conference/Workshop | EPIC Executive Meeting on Industrial Lasers, May, 2-3, Göttingen, Germany | | https://www.epic-assoc.com/epic-executive-meeting-on-industrial-lasers-at-coherent/ | EPIC / NST | L. Penning: Polygon scanner systems and high throughput laser processing, EPIC Meeting on Industrial Lasers, May 2019, Göttingen, Germany. | May 2019 |
| 14 | Conference/Workshop | LAMPAS at "Werkstoffwoche WW2019" conference, September 2019, Dresden, Germany | | https://www.werkstoffwoche.de/home/ | TUD | A.F. Lasagni, M.M. Soldera, B. Voisiat, M. El-Khoury, C. Zwahr, S. Alamri, A. Aguilar Morales, T. Kunze, Advanced Fabrication of Hierarchical Microstructured Topographies for Surface Functionalization using Laser based Fabrication Methods, Werkstoffwoche WW2019, September 2019, Dresden, Germany. | September 2019 |

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| 15 | Conference/Workshop | LAMpAS at the Embassy of Argentina in Berlin at the RCAA Annual Meeting, Berlin, Germany | | https://www.facebook.com/plugins/post.php?href=https%3A%2F%2Fwww.facebook.com%2Fcientificos.argentinos.alemania%2Fposts%2F574271050002232&width=500 | TUD | A. F. Lasagni, M. Soldera, B. Voisiat, M. El-Khoury, C. Zwahr, S. Alamri, A. Aguilar, T. Kunze, RCAA Annual Meeting, Argentinean Embassy in Germany, November 2019, Berlin, Germany. | November 2019 |
| 16 | Conference/Workshop | LAMpAS at the Conference on Lasers and Electro-Optics (CLEO), San Jose, California, USA | | https://doi.org/10.1364/CL EO AT.2019.JM3E.2 | TRUMPF | D. H. Sutter, T. Dietz, D. Bauer, R. Scelle, A. Budnicki, A. Killi, M. Jenne, J. Kleiner, D. Flamm, M. Sailer, M. Kumkar: High Power and High Energy Ultrafast Disk Lasers for Industrial Applications; Symposium on High Average Power Ultrafast Lasers: Trends, Challenges & Applications, Conference on Lasers and Electro-Optics (CLEO), May 2019, San Jose, California, United States of America (invited). | May 2019 |
| 17 | Webinar | LAMpAS at Webinar "Surface functionalization through microstructuring: technology and applications" | | https://event.webcasts.com/starthere.jsp?ei=1274968&tp_key=e9bb539b26 | TUD | A. F. Lasagni, Introduction to Direct Laser Interference Patterning: application examples and technology development, at Surface functionalization through microstructuring: technology and applications Webinar, December 2019. | December 2019 |
| 18 | Webinar | LAMpAS at Webinar "Surface functionalization through microstructuring: technology and applications" | | https://event.webcasts.com/starthere.jsp?ei=1274968&tp_key=e9bb539b26 | BSH | A. V. Robles, Industrial applications of ultra-short pulse lasers in the Home Appliances sector, at Surface functionalization through microstructuring: technology and applications Webinar, December 2019. | December 2019 |

| Events/Fairs/Workshop | | | | | | | Date |
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| Nr. | What? | Short description (relevance to project) | Costs in € | Reference/Link | Partner | Appearance at the Webpage | |
| 1 | Public event | LAMpAS at the "Long Night of Science" in Dresden | | http://www.wissenschaftsnacht-dresden.de/english/ | TUD | Long night of science, Technische Universität Dresden, June 2019, Dresden, Germany. | June 2019 |
| 2 | Conference/Workshop | LAMpAS was presented at NANO2019 conference, Buenos Aires, Argentina | | https://www.nano2019.com/ | TUD | Nano2019, June 2019, Buenos Aires, Argentina. | June 2019 |
| 3 | Fair/Workshop | General Communication. Exhibitors Laser World of Photonics June 26-27, Munich | | https://world-of-photonics.com/de/ | PIC, NIT, LASEA, TU | Laser World of Photonics, June 2019, Munich, Germany. | June 2019 |

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| 4 | Conference/Workshop | LAMPAS at LAMP2019, Hiroshima, Japan | | http://www.jlps.gr.jp/lamp/lamp2019/ | TUD, BOSCH | LAMP2019, May 2019, Hiroshima, Japan. | May 2019 |
| 5 | Conference/Workshop | LAMPAS at joint session meeting of DGM Expert Committee "Functionalisation of Surfaces by Micro and Nano Patterning Techniques" (Vienna, Austria) | | https://www.dgm.de/en/net-work/technical-committees-general-overview/functionalisation-of-surfaces/ | TUD | DGM Expert Committee Functionalisation of Surfaces by Micro and Nano Patterning Techniques, April 2019, Vienna, Austria | April 2019 |
| 6 | Conference/Workshop | LAMPAS at workshop on Tribology at Schmalkalden, Germany | | https://www.wotecn-technical-media.de/veranstaltungen/Dokumente-Tagsimw/Fluep_Seminar_Tagsimw/ | TUD | Tribologie, von der Grundlage bis zur Anwendung, April 2019, Schmalkalden, Germany. | April 2019 |
| 7 | Conference/Workshop | LAMPAS at Precision and Freeform Optics held at WZW OPTIC AG on March 7-8, in Balgach, Switzerland. | | https://www.epic-assoc.com/epic-meeting-on-freeform-optics-at-wzw-optik/ | EPIC, TUD | EPIC Meeting on Precision and Freeform Optics, March 2019, Balgach, Switzerland. | March 2019 |
| 8 | Conference/Workshop | LAMPAS at Summer School in Dresden, August 26-30 | | https://www.iws.fraunhofer.de/en/events/archive_2019/summer_school.html | TUD | 8th International Summer School "Trends and new developments in Laser Technology 2019, August 2019, Dresden, Germany. | August 2019 |
| 9 | Conference/Workshop | LAMPAS at DocMASE Summer School in Saarbrücken, September 24 | | https://www.facebook.com/eusmat.materials/ | TUD | DocMASE Summer School, September 2019, Saarbrücken, Germany. | September 2019 |
| 10 | Conference/Workshop | Plenary talk and participation at "11. Mittweidaer Lasertagung", November 2019, Mittweida, Germany. | | https://www.lasertagung-mittweida.de/programm/ | TUD, TRUMPF | 11. Mittweidaer Lasertagung, November 2019, Mittweida, Germany. | November 2019 |
| 11 | Conference/Workshop | LAMPAS at EPIC Meeting on High Power Laser Systems, October 10-11, Almelo, The Netherlands | | https://epic-events.eu/epic/2019/pbf2019/191010_EPIC_PBF2019/ | EPIC, TUD | EPIC Meeting on High Power Laser Systems 2019, October 2019, Almelo, Netherlands. | October 2019 |
| 12 | Conference/Workshop | LAMPAS at EPIC Executive Meeting on Industrial Lasers, May 2-3, Göttingen, Germany | | https://www.epic-assoc.com/epic-executive-meeting-on-industrial-lasers-at-gottingen/ | EPIC, NST | EPIC Meeting on Industrial Lasers, May 2019, Göttingen, Germany. | May 2019 |
| 13 | Conference/Workshop | General advertisement at EPIC World of Photonics Technology Summit, August 29-30, Berlin, Germany | | https://www.epic-events.eu/cto2019/home/ | EPIC | EPIC World Photonics Technology Summit, August 2019, Berlin, Germany. | August 2019 |
| 14 | Conference/Workshop | LAMPAS at "Werkstoffwoche WW2019" conference, September 2019, Dresden, Germany | | https://www.werkstoffwoche.de/home/ | TUD | Werkstoffwoche WW2019, September 2019, Dresden, Germany. | September 2019 |
| 15 | Conference/Workshop | LAMPAS at the Embassy of Argentina in Berlin at the RCAA Annual Meeting, Berlin, Germany | | https://www.facebook.com/plugins/post.php?href=https%3A%2F%2Fwww.facebook.com%2Fcientificos.argentinos.alemania%2Fposts%2F574274060002229 | TUD | RCAA Annual Meeting, Argentinean Embassy in Germany, November 2019, Berlin, Germany. | November 2019 |
| 16 | Conference/Workshop | LAMPAS at the Conference on Lasers and Electro-Optics (CLEO), San Jose, California, USA | | https://doi.org/10.1364/CLEO_AT.2019.JM3E.2 | TRUMPF | Conference on Lasers and Electro-Optics (CLEO), May 2019, San Jose, California, United States of America | May 2019 |

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| 17 | Other | Webinar organized by EPIC. "Industrial applications of ultra short pulse lasers in the Home Appliances sector" | | https://event.webcasts.com/starthere.jsp?ei=1274968&tp_key=e9bb539b26 | EPIC, BSH, TUD | Webinar "Industrial applications of ultra short pulse lasers in the Home Appliances sector", organized by EPIC. | December 2019 |
| 18 | Conference/Workshop | LAMPAS presented at EPIC Meeting on Wafer Level Optics 2019, November 7-8, MicroOptics, Switzerland | | https://www.epic-assoc.com/epic-meeting-on-wafer-level-optics-at-suss-microoptics/ | EPIC | EPIC Meeting on Wafer Level Optics 2019, November 7-8, MicroOptics, Switzerland. | November 2019 |
| 19 | Conference/Workshop | LAMPAS at EPIC Meeting on Surface Structuring at Laser World of Photonics, Munich, Germany | | https://www.epic-assoc.com/epic-meeting-on-surface-structuring-at-laser-world-of-photonics/ | EPIC / NST / LASEA/TUD | EPIC Meeting on Surface Structuring at Laser World of Photonics, Munich, Germany | June 2019 |

| Communication | | | | | | | Date |
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| Nr. | What? | Short description (relevance to project) | Costs in € | Reference/Link | Partner | | |
| 1 | Website | Reference in BSH website | | https://www.bsh-group.com/es/innovacion/innovacion-abierta | BSH | | |
| 2 | Website | Reference in TU Dresden website | | https://tu-dresden.de/ing/maschinenwesen/if/lmo/forschung/forschungsprojekte/aktuelle-projekte/high-throughput-laser-structuring-with-multiscale-periodic-feature-sizes-for-advanced | TUD | | |
| 3 | Website | Reference in NST website | | https://nextscantechology.com/partners/ | NST | | |