

Scientific awards, prizes and honors

Chair of Measurement and Sensor Systems/Czarske-Lab/BIOLAS Competence Center

TUD Dresden University of Technology

No.	Year	Name	Award
112	2023	Dr. Ing. Jiawei Sun	Barkhausen Prize 2023 for the best dissertation in electrical engineering is donated by the Carl Friedrich von Siemens Foundation (2.500€), Faculty of Electrical Engineering and Information Technology TUD 09/23 (The prize will be awarded during this year's Faculty Day on November 3, 2023. Faculty of Electrical Engineering and Information Technology TU Dresden)
111	2023	M. Sc. Katharina Schmidt	Award of the sponsorship prize of the association "Freunde und Förderer der Fakultät Elektrotechnik und Informationstechnik der TU Dresden e.V." (500€) TUD 09/23 (The prize will be awarded during this year's Faculty Day on November 3, 2023. Faculty of Electrical Engineering and Information Technology TU Dresden)
110	2023	Prof. Jürgen Czarske	Appreciation for outstanding lecture at the Department of Precision Instrument, Tsinghua University, China, 08/ 2023
119	2023	Prof. Jürgen Czarske	Prize of Chinese Academy of Science, Qinghe Seminar 70th, Shanghai 08/23
108	2023	Prof. Jürgen Czarske	Elected in the Editorial Board of High-Impact Journal Light: Science & Applications of Nature
107	2023	Jie Zhang	Theodore Maiman Scholarship of Scientific Society for Laser Technology, WLT, or her student theses "Real-time quantitative phase imaging through an ultra-thin lensless micro endoscope (2.000 Euro), Hannover, 2023
106	2023	David Krause	DGaO Young talent award (550 €) for his master theses "Measurement of the transmission matrix of multimode fibers using neural networks and modern digital holography", anniversary 100 years DGaO Berlin

- 105 2023 Prof. Jürgen Czarske  
Award Certificate in appreciation for his timely, careful review and checking out many important details for the manuscript of *Light: Science & Applications* in May 2023. (Springer Nature, CIOMP, COS)
- 104 2023 Jiawei Sun  
Prize of Dr. Ing Siegfried Werth Foundation for an outstanding PhD Thesis on Dimensional Metrology, Gießen
- 103 2023 Jiawei Sun, Jiachen Wu, Song Wu, Ruchi Goswami, Salvatore Girardo, Liangcai Cao, Jochen Guck, Nektarios Koukourakis, Juergen W Czarske  
Certificate of recognition for Quantitative phase imaging through an ultra-thin lensless fiber endoscope as one of the top downloaded papers of *Light: Science & Applications* in 2022. (Springer Nature, CIOMP, COS)
- 102 2023 Dipl.-Ing. David Krause  
Young Scientist Award of the Gisela and Erwin Sick Foundation, Freiburg, diploma thesis: "Measurement of the transmission matrix of multimode fibers using neural networks and modern digital holography".
- 101 2023 Jie Zhang  
Prize for Measurement and Sensor Technology of the Gisela and Erwin Sick Foundation, Freiburg, student thesis: "Quantitative phase imaging in real time by an ultrathin lensless microendoscope".
- 100 2023 Dr. Stefan Rothe  
Prize for Measurement and Sensor Technology of the Gisela and Erwin Sick Foundation, Freiburg for dissertation: "Exploiting the interference of multimode fibers to achieve information security on the physical layer".
- 99 2022 Jakob Dremel  
Best Student Award of TU Dresden, presented by Prof. Ursula Staudinger, Rector of TU Dresden, 12/2022

- 98 2022 Tom Glosemeyer SPIE Scholarship to cover traveling expenses for San Francisco – SPIE: The international society for optics and photonics, USA, 12/2022
- 97 2022 Stefan Rothe Best student Paper of SPIE/OPTICA for the talk "Physical layer security for confidential data transmission through multimode fibres", Stefan Rothe Karl-Ludwig Besser, Nektarios Koukourakis, Eduard Jorswieck, and Juergen W. Czarske, 25th Congress of International Commission for Optics and 16th International Conference of Optics Within Life Sciences - ICO-25-OWLS-16, 05-09 September 2022, Dresden
- 96 2022 Jiawei Sun Best paper student price of SPIE/OPTICA for the talk "Multi-Dimensional Cell Rotation with Multi-Core Fibers and Wavefront Shaping", Jiawei Sun, N. Koukourakis, R. Kuschmierz, J. W. Czarske, 25th Congress of International Commission for Optics and 16th International Conference of Optics Within Life Sciences - ICO-25-OWLS-16, 05-09 September 2022, Dresden
- 95 2022 Wenjie Wang Best paper student price of OPTICA/SPIE for the talk "3D scanning microscopy for zebrafish imaging using adaptive prisms and lenses", Wenjie Wang F. Lemke, U. Wallrabe, M. C. Wapler, J. Czarske, N. Koukourakis, 25th Congress of International Commission for Optics and 16th International Conference of Optics Within Life Sciences - ICO-25-OWLS-16, 05-09 September 2022, Dresden
- 94 2022 Prof. Jürgen Czarske 2022 Chandra S Vikram Award in Optical Metrology of SPIE (The international society for optics and photonics, Washington, USA), awarded during the SPIE Conference Optics&Photonics at Marriott Hotel in San Diego, USA, August 2022
- 93 2022 Anna-Lena Geppert Theodore-Maiman-Scholarship 2022 for the best Bachelor Thesis (Studienarbeit) on laser techniques in Germany, 2 000 Euro donation, WLT, Wissenschaftliche Gesellschaft Lasertechnik e.V., July 2022
- 92 2022 Dipl.-Ing. Dennis Pohle DGaO Young Talent Award 2022 for his diploma thesis" Investigating information security for an optical network using Deep Learning", 09.06.2022 Pforzheim

- 91 2022 Prof. Jürgen Czarske Fellow of the Institute of Physics (IOP), 23.07.2022
- 90 2022 Dipl.-Ing. Tijue Wang Young talent awards of the Gisela and Erwin Sick Foundation for his diploma thesis "High-resolution Fiber Bundle Imaging Using Deep Learning", 12.04.2022
- 89 2022 Prof. Jürgen Czarske Award outstanding editor for Light: Advanced Manufacturing in Year 2021, 15.2.2022
- 88 2021 Dipl.-Ing. Clemens Matthias Bilsing Hans-Pundt-Prize 2020 for his diploma thesis "Novel laser measurement system with adaptive image correction using helical wavefronts and a deformable mirror", 10.11.2021
- 87 2021 Prof. Jürgen Czarske Elected Vice President of the International Commission for Optics, PALAISEAU/Paris, France and Miami, USA, 1<sup>st</sup> Oct 2021
- 86 2021 Dr.-Ing. Hannes Radner SICK-Prize for Sensor and Measurement Systems for his doctor thesis "Adaptive optical wavefront correction using the Fresnel guide star and a hybrid control loop implemented on a field-programmable system-on-chip", 21 October 2021
- 85 2021 Dipl.-Ing. Qian Zhang SICK-Prize for Sensor and Measurement Systems for his diploma thesis "Real-time measurement of the transmission matrix of a multimode fiber with a smart detection", 21 October 2021
- 84 2021 Dipl.-Ing. Clemens Bilsing SICK-young talent awards for Sensor and Measurement Systems for his diploma thesis "Novel laser measurement system with adaptive image correction using helical wavefronts and a deformable mirror", 21 October 2021

- 83 2021 Prof. Dr. Christian Kupsch  
 Franz Stolze Preis 2021 for his Doctor thesis "Ultrasonic imaging method for complex suspension flows in small geometries: Investigation of the zinc-air flow battery", donation with 1 000 Euro, Berlin/Dresden, 10/2021  
 With the Dr. Manfred Freimark and Gudrun Stolze donated "Franz Stolze Prize", the Society of Friends and Supporters of TU Dresden e.V. annually honors excellent scientific theses by students and dissertations of young scientists from TU Dresden in the field of energy technology.
- 82 2021 Dipl. Ing. Zeyu Gao  
 Best Poster Award for the contribution  
 Z. Gao, H. Ye, L. Büttner, J. Czarske, P. Yang, "Distortion Correction for Imaging-based Flow Measurement using Multiple-input Deep Learning Model", poster presentation, International Conference on Computational Imaging (CITA), Hangzhou/China, 24.–26.09.2021
- 81 2021 Dipl.-Ing. Clemens Matthias Bilsing  
 DGaO Young Talent Award 2021 for his diploma thesis with the title "Novel laser measurement system with adaptive image correction using helical wave fronts and a deformable mirror". The prize of the DGaO (The Germany Society for Applied Optics - The German Branch of European Optical Society) will be awarded in Bremen.
- 80 2021 Prof. Jürgen Czarske  
 Fellow Award of Institution of Engineering and Technology (IET), London, UK, 7/2021
- 79 2021 Prof. Jürgen Czarske  
 SPIE Community Champion 2021, awarded by Nelufar Mohajeri, Director of SPIE (The International Society of Optics and Photonics), WA, USA, 5/2021
- 78 2021 Dr.-Ing. Hannes Radner  
 Dr.-Ing. Siegfried Werth Preises für seine hervorragende Dissertation "Adaptive optische Wellenfrontkorrektur unter Einsatz des Fresnel-Leitsterns und eines hybriden Regelkreises implementiert auf einem Field-Programmable System-on-Chip", Mai 2021

- 77 2020 Dr. Katrin Philipp Dr. Wilhelmy-VDE-Prize 2020 for Promotion of Female Engineers. Awarded for the PhD thesis "Investigation of aberration correction and axial scanning in microscopy employing adaptive lenses" with endowment of 3 500 Euro by Association for Electrical, Electronic & Information Technologies (Verband der Elektrotechnik Elektronik & Informationstechnik e. V., VDE), German National Committee of CIGRE, Frankfurt am Main. With 36,000 members (including 1,300 companies) the VDE is one of the largest technical and scientific associations in Europe, December 2020
- 76 2020 Jakob Dremel, Theodore Maiman-Scholarship of WLT e.V. (Wissenschaftliche Gesellschaft für Lasertechnik, Scientific Society for Laser Technology), December 8th, 2020
- 75 2020 Dr. Katrin Philipp Heinrich-Barkhausen-Prize of Faculty Electrical and Computer Engineering of TU Dresden for her PhD thesis "Investigation of aberration correction and axial scanning in microscopy employing adaptive lenses". The Heinrich-Barkhausen-Prize is sponsored by the Carl Friedrich von Siemens Foundation and is awarded annually for the best dissertation completed at the Faculty Electrical and Computer Engineering in the past year, donation with 2 500 Euro, October 2020
- 74 2020 Prof. Juergen Czarske Laser Instrumentation Award 2020 of IEEE Photonics Society, New York City, NY, USA (July 2020)
- 73 2020 Jan Grottke Friedrich von Klinggräff-Medal 2020 from the Foundation of German Student Corps
- 72 2020 Dipl.-Ing. Johannes Stange SICK-Prize for Sensor and Measurement Systems 2019 from the Faculty Electrical and Computer Engineering of TUD for the diploma thesis "Investigation of an adaptive-optical correction of interface disturbances in flow measurement technique", June 2020

71	2020	Dr.Katrin Philipp	Sick-Prize for Measurement Technique 2019 of TU Dresden for her PhD thesis "Investigation of aberration correction and axial scanning in microscopy employing adaptive lenses", June 2020
70	2020	Jan Grottke	Friedrich von Klinggräff-Medal 2020 from the Foundation of German Student Corps
69	2020	Dr.Katrin Philipp	Bertha-Benz Promotionspreis 2020
68	2020	Benedikt Krug	SEW Eurodrive Foundation for the Study Prize 2019
67	2020	Prof. Jürgen Czarske	"SPIE Community Champion for outstanding volunteerism", awarded by SPIE President John Greivenkamp, The University of Arizona (Jan. 2020)
66	2019	Tilo Stock	SICK Nachwuchsförderpreis 2019, Thema: „Robuste Ultraschallstrukturbildgebung durch einen Multimode-Wellenleiter mittels Deep Learning “
65	2019	Prof. Jürgen Czarske	Joseph Fraunhofer Award/Robert M. Burley Prize for his promising contributions in the field of computer-based adaptive laser metrology
64	2019	Dipl.-Ing. Arne Kläß	Franz Stolze Award 2019 for his diploma thesis "Ultrasonic-based flow imaging of a hot metal melt through a multimode waveguide"

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| 63 | 2019 | Richard Nauber                                 | SICK-faculty prize 2018 for Sensors and measuring system technology for his Dissertation "Investigation of imaging ultrasonic measurement technology for transient flow processes in magnetohydrodynamics"         |
| 62 | 2019 | Stefan Rothe                                   | SICK-faculty prize 2018 for Sensors and measuring system technology for his diploma thesis "Investigation of Information Security on the Transmission Layer in Multimode Fibre Communication Systems"              |
| 61 | 2019 | Benedikt Krug                                  | Hans-Pundt-Preis 2018 of VDE Dresden for his diploma thesis "Investigations on Brillouin elastography using a pulsed laser for biomedical applications".   |
| 60 | 2019 | Johannes Stange                                | SICK Young Talent Awards 2018 for Measurement and Sensor System Technology for his student research project "Design and Testing of an Adapted Controller for a Wavefront Correction System".                       |
| 59 | 2019 | Elias Scharf                                   | SICK Young Talent Award 2018 for measurement and sensor system technology for his diploma thesis "Construction of a holographic endoscope using coherent fiber bundles with self-calibration".                     |
| 58 | 2019 | Christian Kupsch                               | R.W.B. Stephens Preis (Elsevier) beim 2019 International Congress on Ultrasonics, Brügge, Belgien für den Beitrag "Superresolution ultrasound flow imaging of suspensions in narrow channels"                      |
| 57 | 2018 | Robert Kuschmierz                              | Prize of the Dr. Ing. Siegfried Werth Foundation, Gießen for his Dissertation/PhD Thesis "Interferometric laser sensors for three-dimensional, in-situ measurement of rotating bodies" (endowment: 1,500 EUR)      |
| 56 | 2018 | Nektarios Koukourakis, M. Kreysing, J. Czarske | 3rd Best Presentation Award focus on Adaptive Optics<br>Paper "Wavefront shaping method to focus through mouse skull"<br>Imaging and Applied Optics Congress in Orlando, Florida, USA of OSA (The Optical Society) |



- 55 2018 Lars Büttner, M. Teich, H. Radner, J. Czarske  
2nd Best Presentation Award focus on Adaptive Optics  
Paper: "Dynamic Adaptive Optical Image Correction for Velocimetry"  
Imaging and Applied Optics Congress in Orlando, Florida, USA of OSA (The Optical Society)
- 54 2018 Dirk Schubert  
DGaO Young Talent Award  
for his Diploma thesis "Investigation of Amplitude and Phase Modulation by Coherent Fiber Bundles", awarded at Conference of German Society of Applied Optics (DGaO) in Aalen
- 53 2018 Jürgen Czarske  
SAW - Saxon Academy of Sciences Leipzig (Sächsische Akademie der Wissenschaften zu Leipzig)  
Full member of the technical science class
- 52 2018 Mantvydas Kalibatas  
Prize for Talented Students of the SEW-EURODRIVE Foundation  
for his Diploma thesis "Ultrasound imaging through multimode waveguides using Time Reversal Virtual Arrays" (endowment: 2,500 EUR)
- 51 2017 Robert Kuschmierz  
SICK Measurement Technology Award 2017 (University Award)  
for his dissertation "Interferometric laser sensors for three-dimensional, in-situ measurement of rotating bodies" (endowment: 5,000 EUR)
- 50 2017 Mantvydas Kalibatas  
SICK Promotion Award 2017 for Sensor Technology and Measuring System Technology (Faculty Award)  
for his Diploma thesis "Ultrasound Imaging by Multimode Waveguides with Time Reversal Virtual Arrays"
- 49 2017 Dirk Schubert  
SICK Young Talent Award 2017 for Measuring and Sensor System Technology  
for his Diploma thesis "Investigation of Amplitude and Phase Modulation by Coherent Fiber Bundles"
- 48 2017 Benedikt Krug  
SICK Young Talent Award 2017 for Measuring and Sensor System Technology  
for his Bachelor thesis (Studienarbeit) "Phase shifting holography for adaptive optics"

- 47 2017 Jürgen Czarske Certificate of Recognition, SPIE Student Chapter (President Katrin Philipp)
- 46 2017 Jürgen Czarske Admission to the Scientific Society of Laser Technology e. V. (WLT)
- 45 2017 Dirk Schubert, Robert Kuschmierz,  
Jürgen Czarske 1st Prize at the 118th Annual Conference of the DGaO in Dresden  
for the poster "Pixelation-free light pattern generation through multi-core fibers using digital  
optical technologies"
- 44 2016 Daniel Haufe Heinrich Barkhausen Award  
Faculty Award for the best dissertation, topic "Investigation of optical methods for the  
simultaneous measurement of flow and sound fields on aeroacoustic silencers" (endowment: 5,000  
EUR)
- 43 2016 Johannes Gürtler 3rd place at the Green Photonics Promotion Award of the Fraunhofer IOF  
for his Diploma thesis "Investigation of the flow phenomena at a high-pressure injection nozzle"
- 42 2016 Micha Schuster, Robert Kuschmierz,  
Andreas Fischer, Jürgen Czarske Best Student Paper of the 18th VDI / ITG Symposium Sensors and Measuring Systems in Nürnberg  
for the presentation "Uncertainty measurements for non-incremental shape measurement of  
rotating objects"
- 41 2015 Daniel Haufe SICK Measurement Technology Award 2015  
for his dissertation "Investigation of optical methods for the simultaneous measurement of flow  
and sound fields on aeroacoustic silencers" (endowment: 5,000 EUR)
- 40 2015 Christian Kupsch SICK Promotion Award 2015 for Sensor Technology and Measuring System Technology  
for his diploma thesis "Design, Characterization and Application of a Plenoptic 3D-Flow Measuring  
System"

- 39 2015 Johannes Gürtler  
SICK Young Talent Award 2015 for Measuring and Sensor System Technology  
for his diploma thesis "Investigation of the flow phenomena at a high-pressure injection nozzle"
- 38 2015 Bob Fregin  
SICK Young Talent Award 2015 for Measuring and Sensor System Technology  
for his thesis "Design and Characterization of a Multimode Laser Doppler Anemometer"
- 37 2015 Jürgen Czarske  
Fellow Award from EOS  
based on his research achievements in the field of optics and photonics and his service to the  
Optics and Photonics Community; awarded in Berlin
- 36 2015 Jürgen Czarske  
Fellow of OSA (The Optical Society)  
awarded during the CLEO (Conference on Lasers and Electro-Optics) in San Jose, California, USA
- 35 2015 Christian Kupsch  
Hans Pundt Award of the VDE District Association Dresden 2015  
for his diploma thesis "Design, Characterization and Application of a Plenoptic 3D-Flow Measuring  
System"
- 34 2015 Johannes Gürtler  
Franz Stolze Award 2015  
for his diploma thesis "Investigation of the flow phenomena at a high-pressure injection nozzle"
- 33 2015 Jürgen Czarske  
SPIE Fellow (SPIE: The international society of optics and photonics), awarded in San Francisco, CA,  
USA
- 32 2015 Jürgen Czarske  
Upgraded to the status of Senior Member of the IEEE (Institute of Electrical and Electronics  
Engineers), New York City, NY, USA

- 31 2015 Jürgen Czarske  
Upgraded to the status of Senior Member of the SPIE (The International Society of Optics and Photonics. Formerly: Society of Photographic Instrumentation Engineers), Bellingham, Washington, USA
- 30 2015 Jörg König  
DGaO Young Talent Award  
for his dissertation "Investigation of interferometric measurement techniques for multidimensional velocity measurement of small-scale convective transport processes in electrochemistry", awarded at the Conference of German Society of Applied Optics (DGaO), Hannover
- 29 2014 Robert Kuschmierz, A. Fischer, Jürgen Czarske  
1st Prize of the Outstanding Paper Award "Precision Measurement", Measurement Science and Technology (MST) Highlights of 2014  
for their article "Multiple wavelength interferometry for distance measurements of moving objects with nanometer uncertainty"
- 28 2014 Jörg König  
SICK Promotion Award 2014 for Sensors and Measuring System Technology for environmental protection  
for his dissertation "Investigation of interferometric measurement techniques for multidimensional velocity measurement of small-scale convective transport processes in electrochemistry"
- 27 2014 Hannes Radner  
SICK Promotion Award 2014 for Sensors and Measuring System Technology for environmental protection  
for his diploma thesis "Design and Characterization of a Multi-Variable Control for a Wavefront Correction System with Adaptive Lenses"
- 26 2014 Hannes Beyer  
SICK Promotion Award 2014 for Sensors and Measuring System Technology for environmental protection  
for his thesis "Online-enabled implementation of signal filtering and quadrature demodulation for the detection of transient flow structures by means of ultrasound measurements"
- 25 2014 Christoph Leithold  
SICK Young Talent Award 2014 for Measurement and Testing Technology  
for his diploma thesis "Investigations on Wavefront Correction by Adaptive Optics for Laser-Optical Flow Velocity Measurements"

- 24 2014 Hannes Radner  
SICK Young Talent Award 2014 for Measurement and Testing Technology  
for his thesis "Investigation of the self-calibration of the sensor position on a multi-dimensional ultrasonic flowmeter"
- 23 2014 Jürgen Czarske  
Awarded by the German Research Foundation (DFG) with a Reinhart Koselleck project  
on topic "Adaptive laser systems with wavefront control and phase conjugation for flow  
measurements in refractive index effects"
- 22 2014 Mathias Neumann  
Dissertation Award of Commerzbank  
for his dissertation "Investigation of sensor systems for the high-resolution, non-invasive  
measurement of flow fields, volumetric forces and turbulences"
- 21 2014 Jörg König, J. Czarske  
Special Prize of the German Society for Materials Science e.V. (DGM)  
  
as part of the awarding of the Dresdner Barkhausen poster prizes for students and young scientists
- 20 2013 Mathias Neumann  
Dissertation Award of the Friedrich and Elisabeth Boysen Foundation 2013  
for his dissertation "Investigation of sensor systems for the high-resolution, non-invasive  
measurement of flow fields, volumetric forces and turbulences"
- 19 2013 Katsuaki Shirai, Lars Büttner, Jürgen  
Czarske  
Excellent paper  
honored at the 33rd Annual Meeting of the Japan Laser Society Tokyo, Japan
- 18 2013 Norman Thieme, U. Wilke  
Placement in the TOP 20 at the Texas Instruments European Analog Design Contest  
with the development "A novel laser frequency stabilization for flow velocimetry"
- 17 2013 Mathias Neumann  
3rd place at the Green Photonics Promotion Award  
for his dissertation "Investigation of sensor systems for the high-resolution, non-invasive  
measurement of flow fields, volumetric forces and turbulences"

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| 16 | 2013 | Mathias Neumann  | Measurement Technology Award of the AHMT e. V. 2013<br>for his dissertation "Investigation of sensor systems for the high-resolution, non-invasive measurement of flow fields, volumetric forces and turbulences" (Best PhD thesis in measurement technology)                                    |
| 15 | 2012 | Christian Blechschmidt                                     | Hans Pundt Award of the VDE District Association Dresden 2012<br>for his Master thesis "Investigations to minimize the disturbance of wall reflexes in optical gap flow measurements"  |
| 14 | 2012 | Daniel Haufe   | Johannes Görges Award 2012<br>for his diploma thesis "Characterization and reduction of the disturbing effects of multiple scattering and background radiation in an optical flow measuring technique"   |
| 13 | 2012 | Richard Nauber   | ISUD-8 UBERTONE Student Paper Award 2012<br><br>"Dual-plane Ultrasound Array Doppler Velocimeter for Flow Investigations in Liquid Metals"   |
| 12 | 2012 | Thorsten Pfister, P. Günther, F. Dreier,<br>Jürgen Czarske | ASME-IGTI 2012 Controls, Diagnostics and Instrumentation committee best paper award 2012<br>American Society of Mechanical Engineers (ASME) Prize for the Paper "Novel Dynamic Rotor and Blade Deformation and Vibration Monitoring Technique"   |
| 11 | 2011 | Daniel Haufe   | Franz Stolze Award 2011<br>for his diploma thesis "Characterization and reduction of the disturbing effects of multiple scattering and background radiation in an optical flow measuring technique"  |
| 10 | 2010 | Andreas Fischer  | Heinrich Barkhausen Award 2010 (Siemens Foundation)<br>Faculty Award for the best dissertation, topic "Contributions to Doppler Global Velocimetry with Laser Frequency Modulation - Precise Measurement of Velocity Fields in Turbulent Flows with High Time Resolution" (endowment: 5,000 EUR) |
| 9  | 2010 | Thorsten Pfister   | 2nd place of the Barkhausen Poster Award 2010<br>"Fiber-optic laser Doppler distance sensor with speed-independent measurement resolution"   |

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| 8 | 2010 | Andreas Fischer                                      | Measurement Technology Award of the AHMT e. V. 2010<br>for his dissertation "Application of a Doppler Global Velocimeter with Laser Frequency Modulation for the Investigation of Turbulent Currents" (Best German-language dissertation in measurement technology)              |
| 7 | 2010 | Andreas Fischer                                      | Dissertation Award of Commerzbank<br>for his work "Contributions to Doppler Global Velocimetry with Laser Frequency Modulation - Precise Measurement of Velocity Fields in Turbulent Flows with High Time Resolution"  |
| 6 | 2010 | Kevin Mäder  | Philips Prediploma Award 2010<br>to outstanding prediploma (Vordiplom) students of the faculty electrical and computer engineering of TU Dresden   |
| 5 | 2009 | Andreas Fischer                                      | Dr. Meyer-Struckmann Science Award 2009<br>for his dissertation "Application of a Doppler Global Velocimeter with Laser Frequency Modulation for the Investigation of Turbulent Currents" (endowment: 15,000 EUR)  |
| 4 | 2009 | Jörg König   | VDE Award 2009<br>for his diploma thesis "Investigations on the influence of scattered light power on the velocity measurement in flows with a Doppler Global Velocimeter with laser frequency modulation"   |
| 3 | 2009 | P. Günther, T. Pfister, Lars Büttner, Jürgen Czarske | Best Paper Award of the international OPTO conference 2009<br>for their article "Laser-Doppler-Distance-Sensor Using Phase Evaluation for Position, Shape and Vibration Measurements"  |
| 2 | 2008 | Jürgen Czarske, Lars Büttner, Thorsten Pfister       | Berthold Leibinger Innovation Award 2008<br>for the outstanding research work "Laser-Doppler-Distance-Sensor and its Applications" (current endowment: 20,000 EUR, international prize with renowned jury, including Nobel Laureates Charles Townes, Ted Hänsch and Stefan Hell) |
| 1 | 2007 | Thorsten Pfister                                     | Innovation Award of Industrieclub Sachsen 2007<br>for his dissertation "Investigation of novel laser Doppler methods for the position and shape measurement of moving solid surfaces" (endowment: 5,000 EUR)   |

