

PAPERS, PUBLICATIONS AND CONTRIBUTIONS TO CONFERENCES

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H.J. Königsmann, H. Renken, H.J. Rath:

*Attitude Determination by image-processed star constellation algorithm*

6th AIAA/USU conference on small satellites, Logan, UT, 1992

H. Renken, H.J. Königsmann, H.W. Oelze:

*Lageerfassung von Satelliten mittels bildverarbeitender Sternmustererkennung*

DGLR annual meeting 1994, DGLR-94-G5-117, Erlangen, FRG, 1994

M. Tanabe, M. Kono, J. Sato, J. König, G. Marks, H. Renken, H.J. Rath:

*Two stage ignition process of isolated fuel droplets in quiescent atmosphere*

Drop tower days, proceedings, Bremen, FRG, 1994

C. Eigenbrod, J. König, T. Bolik, H. Renken, H.J. Rath:

*First results from non-intrusive laser diagnostic system for combustion research at Bremen drop tower*

Microgravity science and technology, VIII/2, pp 134-136, 1995

H.S. Albrecht, D. Müller, T. Schröder, W. Triebel, C. Eigenbrod, J. König, T. Bolik,

T. Behrens, H. Renken, H.J. Rath:

*UV laser diagnostic system for combustion research under microgravity at drop tower Bremen*

Presented: Europto (Laser 95), Munich, FRG, 1995

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26th international symposium on combustion, the combustion institute, Naples, Italy, 1996

H. Renken, T. Bolik, C. Eigenbrod, J. König, H.J. Rath:  
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UV-laserdiagnostic under microgravity at Bremen drop tower*  
22nd international congress on high-speed photography and photonics, SPIE-3018-07,  
Santa Fe, NM, 1996

H. Renken, T. Bolik, C. Eigenbrod, J. König, H.J. Rath:  
*Two-dimensional UV-laserdiagnostic by high-speed imaging for microgravity combustion  
research at Bremen drop tower*  
35th aerospace sciences meeting and exhibit, AIAA 97-0241, Reno, NV, 1997

H. Renken, T. Bolik, C. Eigenbrod, J. König, H.J. Rath:  
*A digital high-speed camera system for combustion research by using UV-laserdiagnostic  
under microgravity at Bremen drop tower*  
Electronic imaging 1997, 9th international symposium (part of the Photonics West 1997),  
SPIE-3018-07, San Jose, CA, 1997

H. Renken, H.J. Rath:  
*A method for three-axis attitude determination by image-processed star constellation matching*  
11th international symposium on aerosence, defense sensing, simulation and control,  
SPIE-3086-38, Orlando, FL, 1997

H. Renken, H.J. Rath:  
*A method for three-axis attitude determination by image-processed star constellation matching*  
48th international astronomical congress, Turino, Italy, 1997

H. Renken, H.J. Rath:  
*Three axis attitude determination of spacecrafts by image-processed star constellation matching*  
DGLR annual meeting 1997, DGLR-JT97-190, Munich, FRG, 1997

H.W. Oelze, H. Renken, H.J. Rath:  
*Anwendung einer Hochgeschwindigkeitsbilddatenerfassung und digitalen Bildverarbeitung  
zur Beobachtung von Strömungsphänomenen im Hyperschall*  
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Ph.D. thesis, ISBN 3-8265-4735-7, Shaker-Verlag, Aachen, FRG, 1999

L. Kerstein, B. Bischof, H. Renken, H. Hoffmann, U. Apel:  
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5th IAA international conference on low-cost planetary missions, Noordwijk, NL, 2003

H. Hoffmann, L. Kerstein, B. Bischof, H. Renken, U. Apel:  
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H. Renken, B. Bischof, L. Kerstein, R. Ehlers, U. Auster, S. Konstantinov:  
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H. Renken, B. Bischof, L. Kerstein, R. Ehlers, U. Auster, S. Konstantinov:  
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A.-M. Harri, P. Makkonen, T. Siili:  
*Eine Europäische Wissenschaftsmission mit Orbiter und Landegerät zum Planeten Mars*  
DGLR annual meeting 2004, Dresden, FRG, 2004

H. Renken, D. Vornholz:  
*Nutzung des Bremer Olbers-Planetariums  
zur anschaulichen Vermittlung raumfahrtzogener Inhalte*  
DGLR annual meeting 2004, Dresden, FRG, 2004

F. von Schéele, U. Frisk, B. Bischof, H. Renken, S. Walther, P. Makkonen,  
T. Siili, A.-M. Harri, H. Hoffmann:  
*A European Science Mission to Planet Mars with Orbiter and Lander*  
55th international astronomical congress, Vancouver, Canada, 2004