

CHAPTER 6

BIBLIOGRAPHY

1. Accuray::Virtual Press Kit (2009)
Virtual Press kit.
Available from: www.accuray.com/virtual-press-kit.aspx [01 April 2009]
2. Adams, L., Knepper, A., Meyer-Ebrecht, D., Rüger, R. & van der Brug, W. (1996)
An Optical Navigator for Brain Surgery.
IEEE Computer, 29 (1): 48-54.
3. Adams, L., Krybus, W., Meyer-Ebrecht, D., Rüger, R., Gilsbach, J. M., Moesges, R. & Schloendorff, G. (1990)
Medical Imaging: Computer-Assisted Surgery.
IEEE Computer Graphics and Applications, 10 (3): 43-51.
4. Ajlouni, R., Bishara, S. E., Soliman, M. M., Oonsombat, C., Laffoon, J. F. & Warren, J. (2004)
The Use ofOrmocer as an Alternative Material for Bonding Orthodontic Brackets.
The Angle Orthodontist, 75 (1): 106–108.
5. Altobelli, D. E., Kikinis, R., Mulliken, J. B., Cline, H., Lorensen, W. & Jolesz, F. (1993)
Computer-assisted three-dimensional planning in craniofacial surgery.
Plastic and Reconstructive Surgery, 92 (4): 576-587.
6. Archip, N., Clatz, O., Whalen, S., Dimaio, S. P., Black, P. M., Jolesz, F. A., Golby, A. & Warfield, S. K. (2008)
Compensation of geometric distortion effects on intraoperative magnetic resonance imaging for enhanced visualization in image-guided neurosurgery.
Neurosurgery, 62 (3): 209-216.
7. Aschke, M., Wirtz, C. R., Raczkowski, J., Wörn, H. & Kunze, S. (2003)
Augmented Reality in Operating Microscopes for Neurosurgical Interventions.
1st International IEEE EMBS, conference in Neural Engineering, Capri Island, Italy. 652-655.
8. ATI Force / Torque Sensor: Gamma (2005)
DAQ F/T Multi-Axis Force/Torque Sensor System.
Available from: http://www.ati-ia.com/app_content/documents/9610-05-1017_DAQ.pdf [23 March 2009]
9. Ballester, P. (2007)
The ergonomic evaluation and human-centered design approach to robotic systems in minimal invasive surgery.
Medical Dissertation, Faculty of Medicine, University of Manchester, Manchester, United Kingdom.
10. Bárre, S., Fernandez, C., Paume, P. & Subrenat, G. (2000)
Simulating facial surgery.
SPIE - Visual data exploration and analysis, San Jose, United States of America.
11. Barzilay, Y., Kaplan, L. & Liebergall, M. (2008)
Miniature Robotic Guidance for Spine Surgery. In: *Medical Robotics.*

I-Tech Education and Publishing, Vienna, Austria, edited by Bozovic, V.: 219-232.

12. Bell, W. H. (1992)

Modern Practice in Orthognathic and Reconstructive Surgery. 154-205.

W.B. Saunders Company, Philadelphia, United States of America.

13. Benabid, A. L., Hoffmann, D., Ashraf, A., Koadse, A., Esteve, F. & Bas, J. K. L. (1998)

Robotics in neurosurgery; current status and future aspects.

Chirurgie, 123: 25-31.

14. Benabid, A. L. & Nowinski, W. L. (2003)

Intraoperative Robotics for the Practice of Neurosurgery: A Surgeon's Perspective. In: *The operating room of the 21st century*

American Association of Neurological Surgeons - Thieme, edited by Apuzzo, M. L. J.: 103-118.

15. Besl, P. J. (1988)

Active, Optical Range Imaging Sensors.

Machine Vision and Applications 1: 127-152.

16. Biever, C. (2005)

Why a robot is better with one eye than with two.

New scientist, 188 (2530): 30.

17. Boctor, E. M., Webster, R. J., Mathieu, H., Okamura, A. M. & Fichtinger, G. (2004)

Virtual Remote Center of Motion Control for Needle Placement Robots.

Computer Aided Surgery, 9 (5-6): 1-9.

18. Bonsanto, M. M., Metzner, R., Aschoff, A., Tronnier, V., Kunze, S. & Wirtz, C. R. (2005)

3D ultrasound navigation in syrinx surgery – a feasibility study.

Acta Neurochirurgica, 147 (5): 533-541.

19. Bonsanto, M. M., Wirtz, C. R., M. Tronnier, V., Staubert, A., Albert, F. K., Knauth, M., Pasty, O. & Kunze, S. (1997)

A head fixation- and patient transport-system for intraoperative MRI in neurosurgery.

Clinical Neurology and Neurosurgery, 99 (1): 149.

20. Boucher, C. O. (1974)

Current Clinical Dental Terminology - A glossary of accepted terms in all disciplines of dentistry.

The C. V. Mosby company, Saint Louis, United States of America.

21. BrainLAB - Integrated OR Solution (2008)

BrainLAB - Integrated OR Solution.

Available from: <http://www.murtiindahsentosa.com/sections/view.php?id=23> [07 May 2008]

22. Burgner, J., Toma, M., Vieira, V., Eggers, G., Raczkowsky, J., Mühling, J., Marmulla, R. & Wörn, H. (2007)

System for robot assisted orthognathic surgery.

International Journal of Computer Assisted Radiology and Surgery, Proceedings of the 21st International Congress and Exhibition (CARS 2007), Berlin, Germany. (Eds.) Lemke, H. U. & Vannier, M. W., Springer: 419-426. Available from: <http://www.springerlink.com/content/0v4n476345278513/> [03 May 2009]

23. Burgner, J., Zhang, Y., Eggers, G., Raczkowsky, J., Mühling, J. & Wörn, H. (2007)

Semiautomatisches Ankopplungsverfahren für einen Assistenzroboter zur Repositionierung osteotomierter Knochenstücke bei orthognath-chirurgischen Eingriffen.

Curac 2007, Karlsruhe, Germany. Pro BUSINESS GmbH: 275-278.

24. Burgner, J., Zhang, Y., Eggers, G., Raczowsky, J., Mühling, J. & Wörn, H. (2008) *Method for end-effector coupling in robot assisted interventions*. IEEE International Conference on Robotics and Automation (ICRA 2008), Pasadena, United States of America. 3395-3400.
25. Butler, W. E., Piaggio, C. M., Constantinou, C., Nicklason, L., Gonzalez, R. G., Cosgrove, G. R. & Zervas, N. T. (2006) *A Mobile CT Scanner with Intraoperative and ICU Applications*. Available from: <http://neurosurgery.mgh.harvard.edu/NeuroOR/intraop-CT.htm> [28 May 2008]
26. Cao, Z., Pan, S., Li, R., Balachandran, R., Fitzpatrick, M. J., Chapman, W. C. & Dawant, B. M. (2004) *Registration of Medical Images Using an Interpolated Closest Point Transform: Method and Validation*. Medical Image Analysis (SPIE 2003), 8 (4): 421-427.
27. Chapuis, J. (2006) *Computer-Aided Cranio-Maxillofacial Surgery*. Dissertation for Doctor of Philosophy in Biomedical Engineering, Medizinischen Fakultät, Universität Bern, Bern, Switzerland.
28. Chapuis, J., Schramm, A., Pappas, I., Hallermann, W., Schwenger-Zimmerer, K., Langlotz, F. & Caversaccio, M. (2005) *A New System for Computer-Aided Preoperative Planning and Intraoperative Navigation during Corrective Jaw Surgery*. IEEE Transactions on Information Technology in Biomedicine,
29. Chapuis, J., Schramm, A., Pappas, I., Hallermann, W., Schwenger-Zimmerer, K., Langlotz, F. & Caversaccio, M. (2007) *A New System for Computer-Aided Preoperative Planning and Intraoperative Navigation during Corrective Jaw Surgery*. IEEE Transactions on Information Technology in Biomedicine, 11 (3): 274-287.
30. Chauhan, S. (2008) *Image Guided Robotic Systems for Focal Ultrasound Based Surgical Applications*. In: *Medical Robotics*. I-Tech Education and Publishing, Vienna, Austria, edited by Bozovic, V.: 29-40.
31. Cheng, L. H. H., Roles, D. & Telfer, M. R. (1998) *Orthognathic surgery: the patients' perspective*. British Journal of Oral and Maxillofacial Surgery, 36 (4): 261-263.
32. Cheng, P., Enquobahrie, A., Stenzel, R., Lin, R., Zhang, H., Yaniv, Z., Kim, H.-s. & Cleary, K. (2006) *Robot Assisted Needle Placement: Developed Using Image Guided Surgery Toolkit (IGSTK)*. The Insight Journal - 2006 MICCAI Open Science Workshop, Copenhagen, Denmark. Available from: <http://www.insight-journal.org/browse/publication/110> [01 April 2009]
33. Citak, M., Board, T. N., Sun, Y., Look, V., Krettek, C., Hüfner, T. & Kendoff, D. (2007) *Reference marker stability in computer aided orthopedic surgery: A biomechanical study in artificial bone and cadavers*. Technology and Health Care, 15 (6): 407-414.
34. Ciucci, M., Kahrs, L. A., Raczowsky, J., Wörn, H. & Halatsch, M.-E. (2009) *The NEAR Project: Active endoscopes in the operating room*. IEEE Intl. Symposium on Virtual Environments, Human-Computer Interfaces and Measurement Systems (VECIMS's 2009), Hong-Kong, China. (Accepted for publication).

35. Comeau, R. M., Fenster, A. & Peters, T. M. (1998)
Intraoperative US in interactive image-guided neurosurgery.
Radiographics, 18 (4): 1019-1027.
36. Craig, J. J. (2004)
Introduction to Robotics: Mechanics and Control. Chapter 2. Spatial Transformation: 19-67.
Prentice Hall, Essex, United Kingdom.
37. Crawshaw, J. & Chambers, J. S. (2001)
A Concise Course in Advanced Level Statistics: With Worked Examples. 59 - 64.
Nelson Thornes, Cheltenham, United Kingdom.
38. Cutting, C., Fialkov, J. A., Phillips, J. H., Gruss, J. S., Chir, B., Kassel, E. E. & Zucker, R. M. (1992)
Discussion: A stereotactic System for guiding complex Craniofacial reconstruction.
Plastic and Reconstructive Surgery, 89 (2): 346-348.
39. Cutting, C., Grayson, B., McCarthy, J. G., Thorne, C., Khorramabadi, D., Haddad, B. & Taylor, R. (1998)
A virtual reality system for bone fragment positioning in multisegment craniofacial surgical procedures.
Plastic and Reconstructive Surgery, 102 (7): 2436-2443.
40. Davies, B. (2008)
Technology in Orthopaedics: Robotic Surgery, Navigation and Planning.
Lecture at the seminar: Recent success and future direction, 17-18 March, London, United Kingdom. Institution of Mechanical Engineers: 18.
41. Davison, A. J. & College, K. (1998)
Mobile Robot Navigation Using Active Vision.
Department of Engineering Science, University of Oxford, Oxford.
42. Diodato, M. D., Prosd, S. M., Klingensmith, M. E. & Damiano, R. J. (2004)
Robotics in surgery.
Current Problems in Surgery, 41 (9): 752-810.
43. DLR - Institute of Robotics and Mechatronics - Construction (2008)
Light - Weight Robots.
Available from: http://www.dlr.de/rm-neu/desktopdefault.aspx/tabid-3803/6175_read-8961/
[29 April 2008]
44. DLR - Institute of Robotics and Mechatronics - MIRO / KineMedic (2008)
MIRO / KineMedic.
Available from: http://www.dlr.de/rm-neu/en/desktopdefault.aspx/tabid-3828/6349_read-9102/
[29 April 2008]
45. Dorward, N. L., Paleologos, T. S., Alberti, O. & Thomas, D. G. (2002)
The advantages of frameless stereotactic biopsy over frame-based biopsy.
British Journal of Neurosurgery, 16 (2): 110-118.
46. Dowler, N. J. & Holland, S. R. (1996)
The evolutionary design of an endoscopic telemanipulator.
IEEE Robotics & automation magazine. 38-45.
47. Dyer, C. R. (2001)
Volumetric Scene Reconstruction from Multiple Views. In: *Foundations of Image Understanding.*
Kluwer, Boston, United States of America, edited by Davis, L. S.: 469-489.

48. Eggers, G., Mühling, J. & Marmulla, R. (2006)
Image-to-patient registration techniques in head surgery.
International Journal of Oral Maxillofacial Surgery, 35 (12): 1081-1095.
49. Eggers, G., Salb, T., Hoppe, H., Kahrs, L., Ghanai, S., Sudra, G., Raczowsky, J., Dillmann, R., Wörn, H., Hassfeld, S. & Marmulla, R. (2005)
Intraoperative Augmented Reality: The Surgeons View.
Studies in Health Technology and Informatics, 111: 123-125.
50. Eggers, G., Wirtz, C., Korb, W., Engel, D., Schorr, O., Raczowsky, J., Wörn, H., Mühling, J., Hassfeld, S. & Marmulla, R. (2005)
Robot-Assisted Craniotomy.
Minimally Invasive Neurosurgery, 48: 1-5.
51. Eljamel, M. S. (2007)
Validation of the PathFinderTM neurosurgical robot using a phantom.
International Journal of Medical Robotics and Computer Assisted Surgery, 3 (4): 372-277.
52. Eljamel, M. S. (2008)
Robotic Applications in Neurosurgery. In: *Medical Robotics.*
I-Tech Education and Publishing, Vienna, Austria, edited by Bozovic, V.: 41-64.
53. Ellsmere, J., Kane, R., Grinbaum, R., Edwards, M., Schneider, B. & Jones, D. (2007)
Intraoperative ultrasonography during planned liver resections: why are we still performing it?
Surgical Endoscopy, 21 (8): 1280-1283.
54. Engel, D. (2003)
Sensorgestützte Robotersteuerung für den Einsatz in der Chirurgie.
Engineering Doctor Dissertation, Fakultät für Informatik, Universität Karlsruhe, Karlsruhe, Germany.
55. Engel, D., Raczowsky, J. & Wörn, H. (2001)
A Safe Robot System for Craniofacial Surgery.
IEEE International Conference On Robotics And Automation (ICRA 2001). Seoul, South Korea: 2020-2024.
56. Estaña, R. & Wörn, H. (2003)
Moiré-Based Positioning System for Micro Robots.
SPIE's Int. Conference on Optical Measurement Systems for industrial Inspection III. 7.
57. Estaña, R. & Wörn, H. (2004)
Moiré-Basiertes Positioneserfassungssystem für Mikroroboter.
Technisches Messen, 71 (10): 5.
58. FARO Distribution - Measuring arms (2008)
Advancing measurement - with the complete wireless freedom of a FaroArm.
Available from: <http://measuring-arms.faro.com/distri/start/> [08 October 2008]
59. Fiala, M. & Shu, C. (2005)
Fully Automatic Camera Calibration Using Self-Identifying Calibration Targets.
Ontario, Institute for Information Technology, National Research Council of Canada. Report Number: NRC 48306.
60. Fialkov, J. A., Phillips, J. H., Gruss, J. S., Kassel, E. E. & Zuker, R. M. (1992)
A Stereotactic System for guiding complex craniofacial reconstruction.
Plastic and Reconstructive Surgery, 89 (2): 340-345.

61. Fitzpatrick, J. M., West, J. B. & Maurer Jr., C. R. (1998)
Predicting Error in Rigid-Body Point-Based Registration.
IEEE Transactions on Medical Imaging, 17 (5): 694-702.
62. Fonseca, R. J. (2000)
Orthognathic Surgery. In: *Oral and Maxillofacial Surgery.*
Elsevier Health Sciences, Oxford, United Kingdom, edited by Betts, N. J. & Turvey, T. A.: 3-23; 116-126.
63. Förstner, W. (2005)
Real-Time Photogrammetry.
Photogrammetric Week 05: 229-239.
64. Fraser, C. S., Woods, A. & Brizz, D. (2005)
Hyper Redundancy for Accuracy Enhancement in Automated Close Range Photogrammetry.
The Photogrammetric Record, 20 (111): 205-217.
65. Friedman, D. C. W., Doshier, J., Kowalewski, T., Rosen, J. & Hannaford, B. (2007)
Automated Tool Handling for the Traumapod Surgical Robot.
IEEE International Conference on Robotics and Automation (ICRA 2007), Rome, Italy. 1936-1941. Available from: http://brl.ee.washington.edu/People/_Rosen/Publications/CP_30.pdf [03 May 2009]
66. Fu, L., Du, Z. & Sun, L. (2004)
A novel robot-assisted bonesetting system.
Intelligent Robots and Systems, 2004. (IROS 2004). 2247 - 2252.
67. Fuchs, K. H. (2002)
Minimally Invasive Surgery.
Endoscopy, 34 (2): 154-159.
68. Furness, D. Assigned (1992)
System and method for precisely positioning a robotic tool. Patent: (US Application No. 882343).
Available from: <http://www.freepatentsonline.com/5321353.html> [01 April 2009]
69. Garcia, P., Rosen, J., Kapoor, C., MarkNoakes, Elbert, G., Treat, M., Ganous, T., Hanson, M., Manak, J., Hassler, C., Rohler, D. & Satava, R. (2009)
Trauma Pod: a semi-automated telerobotic surgical system.
The International Journal of Medical Robotics and Computer Assisted Surgery. (Accepted for publication). Available from: <http://dx.doi.org/10.1002/rcs.238> [03 May 2009]
70. Gardström, K. (2003)
3D Navigation for Real-Time MRI using Six Degrees of Freedom Interaction Devices.
Student Thesis, Department of Science and Technology, Linköping Technical University, Norrköping, Sweden. Available from: www.ep.liu.se/exjobb/itn/2003/mt/022/ [01 April 2009]
71. Ginhoux, R., Gangloff, J. A., Mathelin, M. F. d., Soler, L., Sanchez, M. M. A. & Marescaux, J. (2004)
Beating heart tracking in robotic surgery using 500 Hz visual servoing, model predictive control and an adaptive observer.
IEEE International Conference on Robotics and Automation. 274-279.
72. Girod, S., Teschner, M., Schrell, U., Kevekordes, B. & Girod, B. (2001)
Computer-aided 3-D simulation and prediction of craniofacial surgery: a new approach.
Journal of Cranio-Maxillofacial Surgery, 29 (3): 156-158.
73. Gorinevsky, D. M., Formalsky, A. M. & Schneider, A. Y. (1997)

Basic Theory and Design Computation of Force Sensors. In: *Force Control of Robotics Systems*. CRC Press LLC, Boca Raton, edited by Staton, N. & Fox, S.: 53-61.

74. Greenberg, A. M. (2002)

Maxillary Osteotomies and Considerations for Rigid Internal Fixation. In: *Craniofacial Reconstructive and Corrective Bone Surgery*.

Springer, New York, Berlin, Heidelberg, edited by Greenberg, A. M. & Prein, J.: 581-605.

75. Greenberg, A. M. & Prein, J.: (Eds.) (2002)

Craniofacial Reconstructive and Corrective Bone Surgery: Principles of Internal Fixation Using AO/ASIF Technique. 492;532.

Springer, New York, Berlin, Heidelberg.

76. Greenberg, B. L. (2002)

Etiology of Skeletal Malocclusion. In: *Craniofacial Reconstructive and Corrective Bone Surgery*.

Springer, New York, Berlin, Heidelberg, edited by Greenberg, A. M. & Prein, J.

77. Gronningsaeter, A., Kleven, A., Ommedal, S., Aarseth, T. E., Lie, T., Lindseth, F., Langø, T., Unsgard, G., Bakay, R. A. E., Pirotte, B., Brotchi, J., Kelly, P. J. & Langmoen, I. (2000)

Sonowand, an ultrasound-based neuronavigation system. Commentaries.

Neurosurgery, 47 (6): 1373-1380.

78. Haberland, N., Ebmeier, K., Hliscs, R., Grunewald, J. P. & Kalff, R.-L. (1999)

Intraoperative CT in image-guided surgery of the spine.

Medica Mundi, 43 (4): 24-31.

79. Harari, D., Gillis, I. & Redlich, M. (2002)

Shear bond strength of a new dental adhesive used to bond brackets to unetched enamel The European Journal of Orthodontics, 24 (5): 519-524.

80. Hata, N., Dohi, T., Iseki, H. & Takakura, K. (1997)

Development of a Frameless and Armless Stereotactic Neuronavigation System with Ultrasonographic Registration.

Neurosurgery, 41 (3): 608-614.

81. Hausamen, J.-E. (2001)

The scientific development of maxillofacial surgery in the 20th century and an outlook into the future.

Journal of Cranio-Maxillofacial Surgery, 29 (1): 2-21.

82. Hefele, J. & Brenner, C. (2000)

Robot Pose Correction using photogrammetric tracking.

SPIE 2000, San Jose, United States of America. 170-178. Available from: http://www.ifp.uni-suttgart.de/publications/2000/Hefele_isam2000.pdf [03 May 2009]

83. Heikkilä, J. (2000)

Geometric camera calibration using circular points.

IEEE Transactions on pattern analysis and machine intelligence, 22 (10): 1066-1077.

84. Henderson, J. M. (2004)

Frameless Localization for Functional Neurosurgical Procedures: A Preliminary Accuracy Study.

Stereotactic and Functional Neurosurgery, 82: 135-141.

85. Howe, R. D. & Matsuoka, Y. (1999)

Robotics for Surgery.

Annual revision Biomedical Engineering, 01: 211-240.

86. Inoue, M., Sato, K. & Koike, I. (2006)
An Analysis of the Accuracy of the 6D Tracking With CyberKnife.
International Journal of Radiation Oncology*Biophysics, 6 (3): 611.
87. J. P. Morgan III & Haug, R. H. (2002)
Evaluation of the Craniomaxillofacial Deformity Patient. In: *Craniomaxillofacial Reconstructive and Corrective Bone Surgery.*
Springer, New York, Berlin, Heidelberg, edited by Greenberg, A. M. & Prein, J.: 5-21.
88. Joskowicz, L., Shoham, M., Shamir, R., Freiman, M., Zehavi, E. & Shoshan, Y. (2005)
Miniature robot-based precise targeting system for keyhole neurosurgery: concept and preliminary report.
International Congress Series - Computer Assisted Radiology and Surgery (CARS 2005), 1281: 618-623.
89. Kaepfel, V. & Weiß, J.: (Eds.) (2007)
Das Wörterbuch Medizinische Fachausdrücke. Duden, Bibliographisches Institut, Mannheim, Germany.
90. Kahrs, L. A., Hoppe, H., Eggers, G., Raczkowsky, J., Marmulla, R. & Wörn, H. (2005)
Visualization of Surgical 3D Information with Projector-based Augmented Reality.
Studies in Health Technology and Informatics, 111: 243 - 246.
91. Kanatani, K. (1993)
Geometric computation for machine vision.
Oxford University Press, Inc., Oxford, New York.
92. Kane, G. J., Eggers, G., Raczkowsky, J. & Marmulla, R. (2009)
Mobile Robot Supported Steady Hand Craniotomy.
CARS 2009, Berlin, Germany. (Accepted for publication).
93. Kania, K. (2000)
Virtual Reality Moves into the Medical Mainstream.
Available from: <http://www.devicelink.com/mddi/archive/00/05/004.html> [04 June 2008]
94. Kelly, J. F., Helfrick, J. F., Smith, D. W. & Jones, B. L. (1992)
A survey of oral and maxillofacial surgeons concerning their knowledge, beliefs, attitudes, and behavior relative to parameters of care.
Journal of Oral and Maxillofacial Surgery, 50 (1): 50-58.
95. King, A. P., Edwards, P. J., Maurer Jr., C. R., Cunha, D. A. d., Gaston, R. P., Clarkson, M., Hill, D. L. G., Hawkes, D. J., Fenlon, M. R., Strong, A. J., Cox, T. C. S. & Gleeson, M. J. (2000)
Stereo Augmented Reality in the Surgical Microscope.
MIT Press Journals - Presence: Teleoperators & Virtual Environments, 9 (4): 360-368.
96. Knoop, H., Peters, H., Raczkowsky, J., Georg Eggers, Rotermund, F. & Wörn, H. (2005)
Integration of a surgical robot and intraoperative imaging International Congress Series - Computer Assisted Radiology and Surgery (CARS 2005), 1281: 595-599.
97. Knoop, H., Raczkowsky, J., Wyslucha, U., Fiegele, T., Eggers, G. & Wörn, H. (2006)
Integration of intraoperative imaging and surgical robotics to increase their acceptance.
International Journal of Computer Assisted Radiology and Surgery (CARS 2006), 1 (5): 243-251.
98. Korb, W., Engel, D., Boesecke, R., Eggers, G., Marmulla, R., O'Sullivan, N., Raczkowsky, J. & Hassfeld, S. (2003)
Risk-Analysis for a Reliable and Safe Surgical Robot System.

17th International Symposium and Exhibition on Computer Assisted Radiology and Surgery (CARS 2003), Amsterdam, Holland. (Eds.) Lemke, H. U., Vannier, M. W., Inamura, K., Farman, A. G. & Doi, K., Elsevier Science: 766-770.

99. Korb, W., Marmulla, R., Raczkowski, J., Mühling, J. & Hassfeld, S. (2004)
Robots in the operating theatre - chances and challenges.
International Journal of Oral Maxillofacial Surgery, 33 (8): 721-732.

100. Kotrikova, B. & Mühling, J. (2006)
Malposition of the Orbita from the Surgical Point of View.
Klinische Monatsblätter für Augenheilkunde, (223): 650-655.

101. Krempien, R., Hoppe, H., Kahrs, L., Daeuber, S., Schorr, O., Eggers, G., Bischof, M., Munter, M. W., Debus, J. & Harms, W. (2007)
Projector-Based Augmented Reality for Intuitive Intraoperative Guidance in Image-Guided 3D Interstitial Brachytherapy.
International Journal of Radiation Oncology-Biology-Physics, 28

102. Kruskal, J. B. & Kane, R. A. (2006)
Intraoperative US of the Liver: Techniques and Clinical Applications.
RadioGraphics, 26: 1067-1084.

103. Kutulakos, K. N. & Seitz, S. M. (2000)
A Theory of Shape by Space Carving.
International Journal of Computer Vision, 38 (3): 199-218.

104. Lea, J. T., Watkins, D., Mills, A., Peshkin, M. A., III, T. C. K. & Stulberg, S. D. (1994)
Registration and immobilization in robot-assisted surgery.
First International Symposium on Medical Robotics and Computer Assisted Surgery, Pittsburgh, United States of America.

105. Lee, W., Mazzuca, M. J. & Gorhan, M. C. Assigned to: Hansen Medical, Inc. (2008)
Surgical instrument coupling mechanism. Patent: (No. 10302804).
Available from: <http://www.patentstorm.us/patents/7331967/claims.html> [01 April 2009]

106. Lepetit, V. & Fua, P. (2005)
Monocular Model-Based 3D Tracking of Rigid Objects: A Survey.
Foundations and Trends in Computer Graphics and Vision. Now, the essence of knowledge: 1-89.
Available from: <http://www.nowpublishers.com/getpdf.aspx?product=CGV&doi=0600000001> [04 May 2009]

107. Li, Q., Zamorano, L., Jiang, Z., Gong, J. X., Pandya, A., Perez, R. & Diaz, F. (1999)
Effect of optical digitizer selection on the application accuracy of a surgical localization system - a quantitative comparison between the OPTOTRAK and flashpoint tracking systems.
Computer Aided Surgery, 4 (6): 314 - 321.

108. Lindseth, F., Kaspersen, J. H., Ommedal, S., Langø, T., Unsgaard, G. & Hernes, T. A. N. (2002)
Multimodal image fusion in ultrasound-based neuronavigation: improving overview and interpretation by integrating preoperative MRI with intraoperative 3D ultrasound.
Computer Aided Surgery, 8 (2): 49-69.

109. Luebbbers, H.-T., Messmer, P., Obwegeser, J. A., Zwahlen, R. A., Kikis, R., Graetz, K. W. & Matthews, F. (2008)
Comparison of different registration methods for surgical navigation in cranio-maxillofacial surgery.
Journal of Cranio-Maxillofacial Surgery, 36 (2): 109-116.

110. Lueth, T. C., Hein, A., Albrecht, J., Demirtas, M., Zachow, S., Heissler, E., Klein, M., Menneking, H., Hommel, G. & Bier, J. (1998)
A surgical robot system for maxillofacial surgery.
Industrial Electronics Society, 1998. IECON '98. Proceedings of the 24th Annual Conference of the IEEE. Aachen, Germany: 2470-2475.
111. Luhmann, T., Robson, S., Kyle, S. & Harley, I. (2006)
Close Range Photogrammetry - Principles, Methods and Applications. 367-380.
Whittles Publishing, Dunbeath, United Kingdom.
112. Luther, F., Morris, D. O. & Hart, C. (2003)
Orthodontic preparation for orthognathic surgery: how long does it take and why? A retrospective study.
British Journal of Oral and Maxillofacial Surgery, 41 (6): 401-406.
113. Ma, B. & Ellis, R. E. (2003)
Robust registration for computer-integrated orthopedic surgery: Laboratory validation and clinical experience.
Medical Image Analysis 7: 237-250.
114. Maintz, J. B. A. & Viergever, M. A. (1998)
A survey of medical image registration.
Medical Image Analysis, Volume 2 (NNumber 1): 1-36.
115. Marmulla, R., Hassfeld, S., Lüth, T. & Mühling, J. (2003)
Laser-scan-based navigation in cranio-maxillofacial surgery.
Journal of Cranio-Maxillofacial Surgery, 31 (5): 267-277.
116. Marmulla, R., Mühling, J., Wirtz, C. R. & Hassfeld, S. (2004)
High-Resolution Laser Surface Scanning for Patient Registration in Cranial Computer-Assisted Surgery.
Minimally Invasive Neurosurgery, 47: 72-79.
117. Marmulla, R. & Niederdellmann, H. (1998)
Computer-assisted bone segment navigation.
Journal of Cranio-Maxillofacial Surgery 26: 347-359.
118. Maurer Jr., C. R., Fitzpatrick, J. M., Wang, M. Y., Galloway Jr., R. L., Maciunas, R. J. & Allen, G. S. (1997)
Registration of head volume images using implantable fiducial markers.
IEEE Transactions on Medical Imaging, 16 (4): 447-462.
119. Mauro, A. D., Raczkowsky, J., Halatsch, M. E. & Wörn, H. (2009)
Mixed Reality Neurosurgical Microscope for training and intra-operative purposes.
HCI International 2009, San Diego, United States of America. (Accepted for publication).
120. McBeth, P. B., Louw, D. F., Rizun, P. R. & Sutherland, G. R. (2004)
Robotics in neurosurgery.
The American Journal of Surgery, 188 (4): 68-75.
121. McNamara Jr., J. A. (1984)
A method of cephalometric evaluation.
American Journal of Orthodontics, 86 (6): 449-469.
122. Meehan, M., Maurer Jr., C. R., Rohlfing, T., Shahidi, R., Rao, A. & Girod, S. (2003)
Virtual 3D planning and guidance of mandibular distraction osteogenesis.
CARS 2003. Computer Assisted Radiology and Surgery. Proceedings of the 17th International Congress and Exhibition. 382-388

123. Mischkowski, R. A., Zinser, M. J., Kübler, A. C., Krug, B., Seifert, U. & Zöllner, J. E. (2006)
Application of an augmented reality tool for maxillary positioning in orthognathic surgery – A feasibility study.
Journal of Cranio-Maxillofacial Surgery, 34 (8): 478-483
124. Mollemans, W., Schutyser, F., Cleynenbreugel, J. V. & Suetens, P. (2004)
Fast soft tissue deformation with Tetrahedral Mass Spring Model for Maxillofacial Surgery Planning Systems.
Medical Image Computing and Computer-Assisted Intervention 2004, Saint-Malo, France. (Ed.) Christian Barillot, D. R. H., Pierre Hellier Springer: 371-379.
125. Montag, H. & Winderickx, P. (1990)
Mastication rehabilitation via dysgnathia surgery and simultaneous implantation.
Acta stomatologica Belgica, 87 (4): 241-248.
126. Morgan, P. S., Carter, T., Davis, S., Sepehri, A., Punt, J., Bryne, P., Moody, A. & Finlay, P. (2003)
The application accuracy of the PathFinder Neurosurgical Robot.
CARS 2003.
127. Nathoo, N., Cavusoglu, C. M., Vogelbaum, M. A., Barnett, G. H., Tessler, L., Kelly, P. J., Adler, J. R., Bakay, R. A. E., Sutherland, G. & Rizun, P. (2005)
In touch with robotics: Neurosurgery for the future.
Neurosurgery 56 (3): 421-433.
128. Nimsy, C. & Fahlbusch, R. (2006)
Medical Technologies in Neurosurgery.
Springer, New York, Berlin, Heidelberg.
129. Ostertag, C. B. & Warnke, P. C. (1999)
Neuronavigation Computerassistierte Neurochirurgie.
Der Nervenarzt, 70 (6): 517-521.
130. Patel, P. K. & Gassman, A. (2006)
Craniofacial, Orthognathic Surgery.
Available from: <http://www.emedicine.com/plastic/topic177.htm> [22 October 2008]
131. Patel, P. K., Zhao, L., Morris, D. E. & Alves, P. V. M. (2008)
Our experience with Virtual Craniomaxillofacial surgery: Planning, Transference and Validation.
Studies in health technology and informatics, 132: 363-365.
132. Pektas, Z. O., Kircelli, B. H. & Cilasun, U. (2008)
The Use of Software Systems for Visualized Treatment Objectives in Orthognathic Surgery. In: *Medical Robotics.*
I-Tech Education and Publishing, Vienna, Austria, edited by Bozovic, V.: 181-196.
133. Perry, D. & Heavner, R. Assigned to: ATI Industrial Automation, Inc. (2003)
Tool side robotic safety interlock. Patent: 6840895
Available from: <http://www.wikipatents.com/6840895.html> [04 May 2009]
134. Peters, H. L. (2006)
Innovative Endeffektoren für die Chirurgie.
Engineering Doctor Dissertation, Fakultät für Informatik der Universität Karlsruhe, Universität Karlsruhe, Karlsruhe, Germany.
135. Peterson, L. J., Ellis, E., Hupp, J. R. & Tucker, M. R. (1998)

Contemporary Oral and Maxillofacial Surgery; 3rd edition. 614-655.
Elsevier, Amsterdam, Frankfurt, Oxford.

136. Pirotte, B., Voordecker, P., Joffroy, F., Massager, N., Wikler, D., Baleriaux, D., Levivier, M. & Brotchi, J. (2001)

The Zeiss-MKM System for Frameless Image-Guided Approach in Epidural Motor Cortex Stimulation for Central Neuropathic Pain.

Neurosurgical Focus, 11 (3): E3. Available from: <http://www.medscape.com/viewarticle/405742> [04 May 2009]

137. Polikeit, A., Nogler, M., Wimmer, C., Brückner, A., Ferguson, S. J. & Krismer, M. (2003)
Initial stability of an anatomical stem: ROBODOC versus manual implantation.

3rd Annual Meeting of the International Society for Computer Assisted Orthopaedic Surgery, Marbella, Spain.

138. Popovic, A., Heger, S., Follmann, A., Wu, T., Engelhardt, M., Schmieder, K. & Radermacher, K. (2008)

Efficient Non-Invasive Registration with A-mode Ultrasound in Skull Surgery. In: *Medical Robotics.*

I-Tech Education and Publishing, Vienna, Austria, edited by Bozovic, V.: 323-340.

139. Pott, P. & Schwarz, M. (2002)

Robots, Navigation, Telesurgery: State of the Art and Market Overview.

Zeitschrift für Orthopädie und ihre Grenzgebiete, 140 (2): 218-231.

140. Reuther, J. (2000)

Orthognathe Chirurgie: skelettverlagernde Operationen Mund-, Kiefer- und Gesichtschirurgie: MKG, 4 (7): 237-248.

141. Reuther, J. (2000)

Orthognathic surgery: corrective bone operations.

Mund- Kiefer- und Gesichtschirurgie: MKG, 4 (1): 237-248.

142. Reyneke, J. P. (2003)

Essentials of Orthognathic Surgery.

Quintessence Publishing Co. Inc., Carol Stream.

143. Ricketts, R. M. (1961)

Cephalometric analysis and synthesis.

The Angle Orthodontist, 31 (3): 141-156.

144. Robotic Systems & Technologies (2009)

RTS TraumaPod MVS.

Available from: www.roboticsystech.com/traumaPod.html [26 April 2009]

145. RP models (2000)

Phidias Newsletter No 4.

Available from: www.materialise.com/materialise/view/en/415166-RP+Models.html [11 November 2008]

146. Ryan, M. J., Erickson, R. K., Levin, D. N., Pelizzari, C. A., Macdonald, R. L. & Dohrmann, G. J. (1996)

Frameless stereotaxy with real-time tracking of patient head movement and retrospective patient-image registration.

Journal of Neurosurgery, 85 (2): 287-292.

147. Sahani, D. V., Kalva, S. P., Tanabe, K. K., Hayat, S. M., O'Neill, M. J., Halpern, E. F., Saini, S. & Müller, P. R. (2004)

Intraoperative US in patients undergoing surgery for liver neoplasms: Comparison with MR imaging.

Radiology, 232 (3): 810-814.

148. Sarti, A., Lamberti, C., Gori, R., Erbacci, G., Bassani, L., Bianchi, A. & Marchetti, C. (2007)

Virtual Planning of Facial Reconstructions.

Imaging Decisions MRI, 11 (1): 29-38.

149. Saxena, A., Driemeyer, J. & Ng, A. Y. (2007)

3-D Reconstruction from Sparse Views using Monocular Vision.

ICCV Workshop on Virtual Representations and Modeling of Large-scale environments (VRML). Available from: <http://ai.stanford.edu/~asaxena/reconstruction3d/> [04 May 2009]

150. Saxena, A., Sun, M. & Ng, A. Y. (2007)

Learning 3-D Scene Structure from a single still image.

ICCV Workshop on 3D Representation for Recognition (3dRR-07), Rio de Janeiro, Brazil. Available from: <http://ai.stanford.edu/~asaxena/reconstruction3d/> [04 May 2009]

151. Saxena, A., Sun, M. & Ng, A. Y. (2008)

Make3D: Depth Perception from a Single Image.

IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI 2008), 31 (1): 824-840. Available from: <http://www.aaai.org/Papers/AAAI/2008/AAAI08-265.pdf> [05 May 2009]

152. Schauer, D. (2004)

Konzept und Realisierung eines miniaturisierten, autoklavierbaren Roboters für die Medizin.

Doctoral thesis in Elektrotechnik Engineering, Berliner Zentrum Mechatronische Medizintechnik, VDI Vol. 244, Universitätsmedizin Berlin, Berlin, Germany.

153. Scheuering, M., Rezk-Salama, C., Eckstein, C., Hormann, K. & Greine, G. (2001)

Interactive Repositioning of Bone Fracture Segments.

Vision, Modelling and Visualization (VMV 2001), Stuttgart, Germany. 499-505. Available from: <http://wwwvis.informatik.uni-stuttgart.de/vmv01/dl/papers/39.pdf> [06 May 2009]

154. Schnaider, M., Röddiger, S., Seibert, H. & Schwald, B. (2004)

Implementation and Evaluation of an Augmented Reality System Supporting Minimal Invasive Interventions.

International Status Conference Virtual and Augmented Reality Leipzig, Germany. 10. Available from: <http://ami2004.loria.fr/PAPERS/12elhgvdvdeib.pdf> [06 May 2009]

155. Schneider, M., Tzscharnke, O., Pilling, E., Lauer, G. & Eckelt, U. (2005)

Comparison of the predicted surgical results following virtual planning with those actually achieved following bimaxillary operation of dysgnathia.

Journal of Cranio-Maxillofacial Surgery, 33 (1): 8-12.

156. Schorr, O., Münchenberg, J., Raczowsky, J. & Wörn, H. (2000)

KasOp – A Generic System for Pre- and Intraoperative Surgical Assistance and Operation Planning.

Karlsruhe, Germany, Institute for Process Control and Robotics, Universität Karlsruhe (TH).

157. Shah, A. R., Valvassori, G. & Roure, R. M. (2006)

Le Fort Fractures.

New York, United States of America. (Eds.) Branstetter, B. F., Coombs, B. D., Phillips, C. D., Krasny, R. M. & Chew, F. S., Department of Otolaryngology-Head and Neck Surgery, New York University Medical Center

158. Shamir, R. (2005)

Miniature robot system for keyhole neurosurgery.

Master of Science Dissertation, The Selim and Rachel Benin School of Computer Science and Engineering, The Hebrew University of Jerusalem, Jerusalem, Israel.

159. Shiakolas, P. S., Conrad, K. L. & Yih, T. C. (2002)
On the accuracy, repeatability, and degree of influence of kinematics parameters for industrial robots.

International Journal of Modelling and Simulation, 22 (3): 10.

160. Shoham, M., Burman, M., Zehavi, E., Joskowicz, L., Batkilin, E. & Kunicher, Y. (2003)
Bone-Mounted Miniature Robot for Surgical Procedures: Concept and Clinical Applications.
IEEE Transactions on robotics and automation, 19 (5): 9.

161. Shuhaiber, J. H. (2004)
Augmented Reality in Surgery.
Archives of Surgery, 139: 170-174.

162. Simon, D. A. (1997)
Intra-Operative Position Sensing and Tracking Devices.
Proceedings of the First Joint CVRMed / MRCAS Conference, Grenoble, France. Available from: http://www.ri.cmu.edu/pub_files/pub1/simon_david_1997_2/simon_david_1997_2.pdf [06 May 2009]

163. Simon, D. A. (1997)
What is "Registration" and Why is it so Important in CAOS?
Proceedings of the First Joint CVRMed / MRCAS Conference, Grenoble, France. 57-60. Available from: http://www.ri.cmu.edu/pub_files/pub1/simon_david_1997_1/simon_david_1997_1.pdf [06 May 2009]

164. Smith, W. L., Vesely, I. & Gubbels, A. W. Assigned to: Sonometrics Corporation (London, CA) (1995)
Three-Dimensional Digital Ultrasound Tracking System. Patent: (08/411959). Available from: www.freepatentsonline.com/5515853.html [01 April 2009]

165. Staecker, H., O'Malley, B. W., Eisenberg, H. & EmmerichYoder, B. (2001)
Use of the LandmarXTm Surgical Navigation System in Lateral Skull Base and Temporal Bone Surgery.
SkullBase, volume 11 (number 4): 245-255.

166. Stäubli (2004)
Arm - RX series 90B family.
Available from: http://www.servosystems.com/staubli_rx90.pdf [01 April 2009]

167. Staudt, C. B., Krejci, I. & Mavropoulos, A. (2006)
Bracket bond strength dependence on light power density.
Journal of Dentistry, 34 (7): 498-502.

168. Steiner, C. C. (1956)
Cephalometrics In Clinical Practice.
The Angle Orthodontist, 29 (1): 8-29.

169. Stolka, P. J. & Henrich, D. (2007)
Using Maps from Local Sensors for Volume-Removing Tools.
IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2007). San Diego, United States of America: 195-201.

170. Tardif, J.-P., Roy, S. & Meunier, J. (2003)
Projector-based augmented reality in surgery without calibration.

25th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. 548-551.

171. Taylor, R. H. & Stoianovici, D. (2003)

Medical Robotics in Computer-Integrated Surgery.

IEEE transactions on Robotics and Automation, 19 (5): 765-781.

172. Tebo, S. A., Leopold, D. A., Long, D. M., Zinreich, S. J. & Kennedy, D. W. (1996)

An Optical 3D Digitizer for Frameless Stereotactic Surgery IEEE Computer Graphics and Applications, 16 (1): 55-64.

173. Tierney, M. J., Cooper, T., Julian, C., Blumenkranz, S. J., Guthart, G. S. & Younge, R. G. Assigned to: Intuitive Surgical, Inc. (2002)

Mechanical actuator interface system for robotic surgical tools. Patent: 759542 filed on 01/12/2001

Available from: <http://www.patentstorm.us/patents/6491701.html> [01 April 2009]

174. Tsai, R. Y. (1987)

A Versatile Camera Calibration Technique for High-Accuracy 3D Machine Vision Metrology Using Off-the-shelf TV Cameras and Lenses.

IEEE Transactions on robotics and automation, RA-3 (4): 323-345.

175. Varma, T. R. K., Eldridge, P. R., Forster, A., Fox, S., Fletcher, N., Steiger, M., Littlechild, P., Byrne, P., Sinnott, A., Tyler, K. & Flintham, S. (2003)

Use of the NeuroMate Stereotactic Robot in a Frameless Mode for Movement Disorder Surgery.

Proceedings of the Meeting of the American Society for Stereotactic and Functional Neurosurgery, 80 (1-4)

176. Vicente, A., Bravo, L. A., Romero, M., Ortíz, A. J. & Canteras, M. (2004)

Bond strength of brackets bonded with an adhesion promoter.

British Dental Journal, 196: 482 - 485 Available from: <http://www.nature.com/bdj/journal/v196/n8/full/4811178a.html>

177. Vieira, V. M. M., Eggers, G., Ortmaier, T., Kane, G. J. & Marmulla, R. (2008)

Method for optically-controlled semi-automatic coupling of a robot arm with a surgical tool while maintaining sterile conditions.

Curac 2008, Leipzig. 127-130.

178. Vieira, V. M. M., Kane, G. J., Marmulla, R., Raczkowski, J. & Eggers, G. (2008)

Error analysis of a sub-millimeter real-time target recognition system with a moving camera.

Advances in Neuro-Information Processing: Proceedings of the 15th International Conference on Neuro-Information Processing, Auckland, New Zealand. (Eds.) Koeppen, M., Kasabov, N. & Coghill, G., ICONIP 2008, Part II, LNCS 5507 proceedings

179. W. L. Bargar WL, A. B., M. Borner (1998)

Primary and revision total hip replacement using the Robodoc system.

Clinical Orthopaedics and Related Research, 354: 82-91.

180. Wallace, C. Assigned to: Plessey Overseas Limited (1986)

Releasable coupling means for robots. Patent: (PCT/GB1985/000478).

Available from: <http://www.wipo.int/pctdb/en/wo.jsp?IA=WO1986%2F02307&DISPLAY=DESC> [01 April 2009]

181. Ward-Booth, P. (2002)

Orthognathic Examination. In: *Cranio-maxillofacial Reconstructive and Corrective Bone Surgery.*

Springer, New York, Berlin, Heidelberg, edited by Greenberg, A. M. & Prein, J.: 507-521.

182. Watzinger, F., Birkfellner, W., Wanschitz, F., Millesi, W., Schopper, C., Sinko, K., Huber, K., Bergmann, H. & Ewers, R. (1999)
Positioning of dental implants using computer-aided navigation and an optical tracking system: case report and presentation of a new method.
Journal of Cranio-Maxillofacial Surgery, 27 (2): 77-81.
183. Watzinger, F., Wanschitz, F., Wagner, A., Enislidis, G., Millesi, W., Baumann, A. & Ewers, R. (1997)
Computer-aided navigation in secondary reconstruction of post-traumatic deformities of the zygoma.
Journal of Cranio-Maxillofacial Surgery, 25 (4): 198-202.
184. West, J., Fitzpatrick, J. M., Wang, M. Y., Dawant, B. M., Maurer Jr., C. R., Kessler, R. M., Maciunas, R. J., Barillot, C., Lemoine, D., Collignon, A., Maes, F., Suetens, P., Vandermeulen, D., Elsen, P. A. v. d., Napel, S., S.Sumanaweera, T., Harkness, B., Hemler, P. F., Hill, D. L. G., Hawkes, D. J., Studholme, C., Maintz, J. B. A., Viergever, M. A., Malandain, G., Pennec, X., Noz, M. E., Maguire Jr., G. Q., Pollack, M., Pelizzari, C. A., Robb, R. A., D.Hanson & Woods, R. P. (1997)
Comparison and Evaluation of Retrospective Intermodality Brain Image Registration Techniques.
Journal of Computer Assisted Tomography, 21 (4): 554-568.
185. Wickham, J. E. A. (1994)
Minimally Invasive Surgery: Future developments.
British Medical Journal, 308: 193-195.
186. Wiles, A. D., Thompson, D. G. & Frantz, D. D. (2004)
Accuracy assessment and interpretation for optical tracking systems.
SPIE 2004.
187. Wirtz, C. R., Knauth, M., Staubert, A., Bonsanto, M. M., Sartor, K., Kunze, S. & Tronnier, V. M. (2000)
Clinical evaluation and follow-up results for intraoperative magnetic resonance imaging in neurosurgery.
Neurosurgery, 46 (5): 1112-1122.
188. Wirtz, C. R., Tronnier, V. M., Bonsanto, M. M., Knauth, M., Staubert, A., Albert, F. K. & Kunze, S. (1997)
Image-Guided Neurosurgery with Intraoperative MRI: Update of Frameless Stereotaxy and Radicality Control.
Stereotactic and Functional Neurosurgery, 68 (1-4): 39-43.
189. Wörn, H. (2006)
Computer- and robot-aided head surgery. In: *Medical Technologies in Neurosurgery.* Springer, New York, Berlin, Heidelberg, edited by Nimsy, C. & Fahlbusch, R.
190. Wörn, H., Aschke, M. & Kahrs, L. A. (2004)
New augmented reality and robotic based methods for head-surgery.
The International Journal of Medical Robotics and Computer Assisted Surgery, 1 (3): 49-56.
191. Wu, Z. (2008)
Adaptation of the inverse kinematics of the DLR Light Weight Robot for its use as haptic device.
Master Thesis, Department of Space Science, Luleå University of Technology, Kiruna, Sweden.
192. Xia, J. J., Gateno, J. & Teichgraeber, J. F. (2005)
Three-Dimensional Computer-Aided Surgical Simulation for Maxillofacial Surgery.

Atlas of the Oral and Maxillofacial Surgery Clinics, 13 (1): 25-39

193. Xie, M. (2003)

Fundamentals of robotics - Linking perception to action.

World Scientific Publishing Company, London, Beijing, Hackensack.

194. Zachowa, S., Lamecker, H., Elsholtz, B. & Stiller, M. (2005)

Reconstruction of mandibular dysplasia using a statistical 3D shape model.

CARS 2005: Computer Assisted Radiology and Surgery. 1238-1243.

195. Zhang, C., Willert, V. & Eggert, J. (2008)

Tracking with depth-from-size.

Advances in Neuro-Information Processing: Proceedings of the 15th International Conference on Neuro-Information Processing Auckland, New Zealand. (Eds.) Koeppen, M., Kasabov, N. & Coghill, G., ICONIP 2008, Part II, LNCS 5507 proceedings

196. Zins, J. E., Morrison, C. M., Moreira-Gonzalez, A., Altus, G. D. & Bena, J. (2008)

Follow-Up: Orthognathic Surgery. Is There a Future? A National Survey.

Plastic and Reconstructive Surgery, 122 (2): 555-562.

197. Zinser, M., Mischkowski, R. A., Siessegger, M., Neugebauer, J., Kübler, A. & Zöller, J. E. (2004)

Comparison of different registration methods for navigation in craniomaxillofacial surgery.

Deutsche Gesellschaft für Computer-und Roboter-Assistierte Chirurgie (CURAC 2004), Munique, Germany. Available from: http://www.curac.org/curac04/download/abstract/191_f.pdf [06 May 2009]

198. Ziv Yaniv, L. J. (2005)

Precise Robot-Assisted Guide Positioning for Distal Locking of Intramedullary Nails.

IEEE Transactions on medical imaging, 24 (5): 12.