

# Integrated Surgical Systems Incorporated

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## Contact Details:

1850 Research park Drive  
Davis  
CA  
95616  
United States of America

Tel: 530-792-2600  
Fax: 530.792.2690  
Email:

Integrated Surgical Systems, Inc. designs, manufactures, sells and services image-directed, computer-controlled robotic products for use in orthopaedic and neurosurgical procedures.

## Recent Publications by Integrated Surgical Systems Incorporated:



- [Anatomical reconstruction from endoscopic images: toward quantitative endoscopy.](#)  
*BACKGROUND: Recent advances in computational image processing have made it...*9th April, 2008  
Center for Computer-Integrated Surgical Systems and Technology, The Johns- Am J Rhinol. 2008  
Jan-Feb;22(1):47-51. ([DOI Direct Link](#))
- [Dynamic augmented reality for sensory substitution in robot-assisted surgical systems.](#)  
*Teleoperated robot-assisted surgical systems provide surgeons with...*7th March, 2008  
Engineering Research Center for Computer Integrated Surgical Systems and- Conf Proc IEEE Eng  
Med Biol Soc. 2006;1:567-70. ([DOI Direct Link](#))
- [Towards automatic skill evaluation: detection and segmentation of robot-assisted surgical motions.](#)  
*This paper reports our progress in developing techniques for "parsing" raw...*17th March, 2007  
Engineering Research Center for Computer-Integrated Surgical Systems and- Comput Aided Surg.  
2006 Sep;11(5):220-30. ([DOI Direct Link](#))
- [Virtual remote center of motion control for needle placement robots.](#)  
*OBJECTIVE: We present an algorithm that enables percutaneous...*4th January, 2006  
Engineering Research Center for Computer Integrated Surgical Systems and- Comput Aided Surg.  
2004;9(5):175-83. ([DOI Direct Link](#))
- [Task performance in stapedotomy: comparison between surgeons of different experience levels.](#)  
*OBJECTIVES: Two steps in stapedotomy are particularly challenging: (1)...*7th March, 2003  
Department of Otolaryngology-Head and Neck Surgery, Center for Computer- Otolaryngol Head Neck

## BioNews Results for Integrated Surgical Systems Incorporated



- [DigiMatch ROBODOC Surgical System Receives U.S. FDA 510\(k\) Marketing Clearance](#)  
*Medical Design Online: Aug 18 2008 1:36PM Matching: integrated surgical systems*
- [DigiMatch\(TM\) ROBODOC\(R\) Surgical System receives US FDA 510\(k\) marketing clearance](#)  
*Medicexchange.com: Aug 14 2008 1:46PM Matching: integrated surgical systems*

## Integrated Surgical Systems Incorporated Patents:



- 6430434- [Method for determining the location and orientation of a bone for computer-assisted orthopedic procedures using intraoperatively attached markers](#)
- 6322567- [Bone motion tracking system](#)
- 6167292- [Registering method and apparatus for robotic surgery, and a registering device constituting an application thereof](#)
- 6033415- [System and method for performing image directed robotic orthopaedic procedures without a fiducial reference system](#)
- 5976122- [Articulated surgical instrument for performing minimally invasive surgery with enhanced dexterity and sensitivity](#)
- 5824085- [System and method for cavity generation for surgical planning and initial placement of a bone prosthesis](#)
- 5806518- [Method and system for positioning surgical robot](#)
- 5776136- [Method and system for finish cutting bone cavities](#)
- 5769092- [Computer-aided system for revision total hip replacement surgery](#)

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- an enhanced BioCorporate profile will also improve your exposure on BioPortfolio's relate service indepth.

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Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

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