Susan A. Wood, Ph.D.

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OBJECTIVE

Leading a company to bring innovative clinical solutions to market acceptance and routine clinical use

QUALIFICATION HIGHLIGHTS

- Industry thought leader in computer–aided detection and diagnosis
- 20 years experience influencing, developing and marketing innovative, new products to the imaging market
- 20 years developing patentable clinical solutions and technologies for the diagnostic imaging market
- Excels at clinical understanding, new product marketing, and clinically focused product development from concept through market delivery
- Strong motivational leadership skills, relationship building and corporate development skills

SELECT PROFESSIONAL ACCOMPLISHMENTS

VIDA Diagnostics, Inc., Coralville, IA and Minneapolis, MN　　　　　September 2009 - Present
President and CEO

- Transformed VIDA from research entity to revenue-producing clinical market leader in pulmonary imaging informatics; validated by 280+ customers and, 300+ peer-reviewed publications
- Led key partnership with Olympus Medical Systems for to alignment of best in class pulmonary device solutions with imaging informatics for higher value offering in the healthcare.
- Awarded Product of Outstanding Interest (POINT) Award by the European Respiratory Society in 2015 for products transforming pulmonary clinical care
- FDA cleared,CE (EU), CMDCAS(Canada), TGA (Australia), ISO 13485, HIPAA and Safe Harbour Certified

Vital Images, Inc., Minnetonka, MN　　　　　　　　　　　　　　　2005 – 2008
Executive Vice President, Marketing, Technology, and Clinical Development

- Developed strategic product development agreement with Toshiba Medical Corporation and executed agreement for worldwide distribution of clinical applications for Aquilion™ ONE Dynamic Volume CT

R2 Technology, Inc., Sunnyvale, CA,　　　　　　　　　　　　　　　1997-2004
Vice President, Marketing (2004)
Vice President, CT Products and Clinical Marketing (2001)
Director, CT Products and Intellectual Property (1999)
Director, New Product Development (1997)

- Championed the product and market development of an industry first from product concept to launch: The first computer-aided detection (CAD) product for lung nodule detection in multidetector – row Computed Tomography (MDCT)

- o Awarded Best New Innovative Product by Frost and Sullivan in 2004; Biomedical Marketing Associates (BMA) Industry Award 2004
- o Developed product concept and strategy, luminary and advisory board support, clinical validation through peer review publications, developed and implemented intellectual property strategy, regulatory (PMA) approval
- o Managed CT business unit, CT and mammography marketing

Cedara Software (formerly ISG Technology), Toronto, Canada   1995-1997
Director of Marketing, Platform Products (1997)
Product Manager, Advanced Post Processing Workstations (1996)
Account Manager, Philips, Siemens, Toshiba (1995-97)
- ISG's platform product line used in applications for MRI, CT, X-ray, Nuclear Medicine, Cardiology, and Ultrasound. Used in over 10,000 installations worldwide including products developed by GEHC, Toshiba, and Siemens.
- Responsible for new business development and strategic account management (Philips, Siemens, Toshiba) $7M in revenue

EDUCATION

The Johns Hopkins Medical Institutions
School of Hygiene and Public Health   **Baltimore, MD**
Doctor of Philosophy and Post Doctoral Fellowship   1990 –1995
Dissertation Title: Analysis of Three-Dimensional Airway Trees During Inflation Using Computed Tomography

Duke University   **Durham, NC**
Master of Science in Biomedical Engineering
Minor: Computer Science
Included one year Visiting Research Associate: Monash University, Melbourne Australia (1989)

University of Maryland   **College Park, MD**
Bachelor of Science in Engineering
Major: Mechanical Engineering, Minor: Biomedical Engineering
Scholarship Athlete (Field Hockey)
Recipient of two Atlantic Coast Conference athletic leadership awards

PUBLICATION LIST

Warren Burhenne, L. J., **S. A. Wood**, C. J. D'Orsi, S. A. Feig, D. B. Kopans, K. F. O'Shaughnessy, et al. (2000). "Potential contribution of computer-aided detection to the sensitivity of screening mammography." Radiology 215(2): 554-62.

Peldschus, K., Herzog, P., **Wood, S**., Cheema, J., Costello, P., Schoepf, U. (2005). „Computer-Aided Diagnosis as a Second Reader, Spectrum of Findings in CT Studies of the Chest Interpreted as Normal." Chest, 128(3): 1517-1523.

Lawler, L.P., **S. A. Wood**, H.K. Pannu and E. Fishman. (2003). "Computer-assisted detection of pulmonary nodules: preliminary observations using a prototype system with multidetector-row CT data sets." Journal of Digital Imaging 16(3):251-61.

Wood, S., Ph.D., A. Schneider, A. Gamboa-Aldeco, Ph.D. and R. Castellino, MD (2003). "The ImageChecker-CT: Computer-Aided Detection (CAD) for Chest MSCT." European Radiology 13(1): 574.

Wood, S. A., E. A. Zerhouni, J. D. Hoford, E. A. Hoffman and W. Mitzner (1995). "Measurement of three-dimensional lung tree structures by using computed tomography." J Appl Physiol 79(5): 1687-97.

Wood, S. A., J. D. Hoford, E. A. Hoffman, E. Zerhouni and W. Mitzner (1995). "A method for measurement of cross sectional area, segment length, and branching angle of airway tree structures in situ." Comput Med Imaging Graph 19(1): 145-52.

Wood, S., S. Meiyappan, E. Zerhouni and W. Mitzner (1995). "Effect of Lung Orientation on Measurement and Resolvability of Airways Using Computed Tomography." SPIE Proc. Medical Imaging, Physiology and Function from Multidimensional Images.

Croisille, P., M. Souto, M. Cova, S. Wood, Y. Afework, J. E. Kuhlman, et al. (1995). "Pulmonary nodules: improved detection with vascular segmentation and extraction with spiral CT. Work in progress." Radiology 197(2): 397-401.

Wagg, J., J. B. Chapman and S. A. Wood (1995). "A flux ratio analysis of the Post-Albers mechanism of the sodium pump." J Theor Biol 174(1): 73-85.

Jackson, A. C., R. H. Habib, B. Suki, S. A. Wood and W. Mitzner (1995). "Serial distribution of airway diameters from input impedance and computed tomography." Ann Biomed Eng 23(6): 740-9.

Wood, S., J. D. Hoford, E. A. Hoffman, E. Zerhouni and W. Mitzner (1993). "Quantitative 3D Reconstruction of Airway and Pulmonary Vascular Trees Using HRCT." SPIE Proc. Biomedical Image Processing and Biomedical Visualization 1905: 316-323.

BOOK CHAPTERS

Wood, S. and S. Stapleton (2005) Chapter 7: Computer Aided Diagnosis in Decision Support in the Digital Medical Enterprise. B. Reiner, E. Siegel and B. Erickson. Great Falls, VA, Society of Computer Applications in Radiology: 61-70.

Wood, S. (2003). Chapter 25: Computer-Aided Diagnosis, in MultiDetector CT of the Thorax, Springer.

PATENT APPLICATIONS AND SUBMISSIONS

Schneider AC, Wood SA "Region growing in anatomical images" (2003 (US and Foreign Patents Pending))

Wood, S., H. Zhang, A. Caspi, T. Doi and H. Romsdahl (2002 (USPN (7,054,473, 6,925,200). Graphical User Interface for Display of Anatomical Information.

Roehrig J, Wang SP, Wood SA, Romsdahl H, Marshall J, Stapleton S (2002 (USPN 7,054,473). "Method and System for the Display of Regions of Interest in Medical Images"

Schneider, A. and S. Wood (2002 (US and Foreign Patents Pending)). Vessel Segmentation with Nodule Detection.

Dehmeshki, J, Wood, S and Samuel, P (2006 USPN 7,133,546) Digital medical image analysis

SELECTED INVITED PRESENTATIONS

Oracle Open World Keynote Address of Paul S. Otellini (CEO Intel) 2008: Time in Medical Imaging

Computer Assisted Radiology and Surgery (CARS) 2001 and 2004 Panels: Three-Dimensional Computer-Aided Detection

International Society of Strategic Studies in Radiology (ISSSR 2001) Computer Aided Detection in Mammography and Computed Tomography

Application of High Resolution CT Imaging Data to Lung Cancer Drug Development, 2005: (NCI Sponsored): Computer-Assisted Technologies, An Industry Perspective

SELECTED ABSTRACTS

Chui, H., Ma, F., Schneider, A., Judy, P., **Wood, S**. "An Automatic Growth Detection CAD System for Analyzing Lung Nodules in Temporal MDCT Scans," RSNA 2004.

Reiner, B. Siegel, E., Siddiqui, K, **Wood, S**., "Effect of CT Collimation on Computer-aided Detection Software Performance in the Detection of Pulmonary Nodules Using Multidetector CT," RSNA 2004.

Brochu, B., Beigelman, C., Raffy, P., **Wood, S.**, Grenier, P., Computer-aided Detection (CAD) of Lung Nodules on High-Resolution MDCT Screening Exams," RSNA 2004.

Das, M.,Schneider, AC, Bonneau, V, Mamisch, CT, Herzog, P, MD, **Wood, SA**, Ph.D., Schoepf, UJ, MD (2003). " CAD of Segmental and Subsegmental Pulmonary Emboli on 1-mm Multidetector-Row CT studies." European Radiology 13(1): 138.
  * Received ECR 2003 Best Paper Award: Chest

Wood, S., S. Stapleton, MSc, A. Schneider, C. Herold, MD and R. Castellino, MD (2002). "CADof Actionable Lung Nodules using MSCT Scans of the Lung: Sensitivity and False Marker Rates." Radiology 225(P): 477.

Das, M., MD, F. Jacobson, A. Schneider, **S. Wood** and U. Schoepf, MD (2002). "CAD of Lung Nodules on Multidetector-Row CT: Impact on Readers with Variable Levels of Experience." Radiology 225(P): 476.

Das M, Schneider AC, **Wood, S.A**. "Computer-aided Detection (CAD) of Lung Nodules in high resolution Multi-detector row CT (MDCT) Chest Scans", European Radiology 13(1): 169 (2003)

Schneider, A., **S. Wood**, Ph.D. and E. Fishman, FACR, MD (2002). "CAD for Lung Nodules using MSCT Data with Various Reconstruction Techniques." Radiology 225(P): 534.

Schoepf, U., MD, M. Das, MD, A. Schneider, M. Anderson, **S. Wood**, Ph.D. and P. Costello, MD (2002). "CAD of Segmental and Subsegmental Pulmonary Emboli on 1-mm Multidetector-Row CT studies." Radiology 225(P): 384.