

# INTERNATIONAL SOCIETY FOR STEREOLOGY

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## **ISS BOARD – ELECT (2004 – 2007)**

### **BRIEF BIOGRAPHICAL INFORMATION**

#### **PRESIDENT ISS**

**Prof. Dominique JEULIN**

Dominique JEULIN is Professor in the University of Saint-Etienne (France), teaching image analysis and mathematical morphology. In Ecole des Mines de Paris, he teaches models of random structures, physics and mechanics of random media, and he is in charge of the doctoral formation in mathematical morphology. He leads the IMAGe (Images, Models, Architectures, Geometry) group in Saint-Etienne. From 1986 to 2002, he was leading the Physics of Heterogeneous Media group in three laboratories of Ecole des Mines de Paris: Morphologie Mathématique (Fontainebleau), Géostatistique, and Materials (Evry), where he is Scientific Adviser. In 1974 he joined IRSID, where he developed image analysis for materials of steel industry.

Civil Mining Engineer from the Nancy's School of Mines (1972), Doctor-Engineer in Geostatistics and in Mathematical Morphology in 1979, he became Docteur d'Etat ès Sciences Physiques in 1991. Involved in image analysis and materials science for over 30 years, he published over 260 scientific papers and several books. Since 2000, he is Vice President of the ISS.

His current interest covers the theoretical prediction of physical properties of random media (fracture statistics models, optical properties of composite materials and of biological tissues), models and simulations of random structures, 3D image analysis, applications to Materials Science, Biology and Vision.

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#### **VICE PRESIDENT EUROPE ISS** Assoc. Prof. Jens R. NYENGAARD

I was born in Silkeborg, Denmark, in 1962. In 1989 I graduated as a medical doctor from University of Aarhus, Denmark, and from the Business School in Aarhus with a 4-year degree in Management. I was awarded a “Gold medal” for a thesis on stereology and kidney research at University of Aarhus in 1988. Following my graduation, I worked at various hospitals in Denmark as a clinician. I have worked at the Stereological Research Laboratory as a Research Fellow and Assistant Professor, and currently hold a position as Associate Professor at the Electron Microscopy Laboratory, University of Aarhus. In 1992-93 I was Research Fellow at Washington University, Saint Louis, USA. I defended my doctoral thesis on the use of stereology in kidney research in 2000. The aim of my research is to develop and use stereological methods in bioscience and I have to date, published around 100 papers. However, I also find it very important to spread the knowledge of stereological methods within the world of research and I am therefore heavily engaged in stereological course activity. I served as Treasurer for the International Society for Stereology in 1996 to 1999.

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#### **International Society for Stereology**

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## **VICE PRESIDENT AUSTRALASIA ISS** Dr. Dorothy E. OORSCHOT

Modern stereological methods have been foundational to my neuroscience research. A major aim has been the application of these methods to unravel the structure and function of the normal and hypoxic basal ganglia. In the normal basal ganglia, these methods were used to estimate the total number of neurons within the six subdivisions of the rat basal ganglia to test the domain hypotheses. For the hypoxic basal ganglia, various treatment strategies have been, and are being, researched to determine whether striatal neurons within the basal ganglia can be rescued from hypoxic-induced death. Stereological and immunocytochemical methods have also been applied to other cell populations within the nervous system in order to address a range of methodological approaches and hypotheses.

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## **VICE PRESIDENT AMERICAS ISS** Dr. Dallas M. HYDE

Dallas Hyde graduated from University of California at Davis in 1976 with a Ph.D. in Anatomy and immediately took a position as an assistant professor in the School of Veterinary Medicine at the University of Florida. He has been a member of the ISS since 1976. He moved back to UC Davis in 1979 and is currently a Professor in the Department of Anatomy, Physiology and Cell Biology and Director of the California National Primate Research Centre. He served as Department Chair of the Department of Anatomy, Physiology and Cell Biology from 1988 – 1999 and Associate Dean for Research and Graduate Education Programs in the School of Veterinary Medicine from 1997 – 2002. His goal for the ISS in the Americas is to hold alternate year ISS meetings with Experimental Biology and to serve as a liaison with the growing stereology group in China. His CV lists 176 publications, many of which use stereological methods.

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## **VICE PRESIDENT CHINA ISS** Prof. Guoquan LIU

Professor Liu is now the Chairman of the Department of Materials Science, University of Science and Technology Beijing. He is an active member and the representative of ISS for China, current vice president of CSS (“Chinese Society for Stereology”), and Editor-in-chief of Chinese Journal of Stereology and Image Analysis (ISSN 1007-1482, in both Chinese and English). He is also serving as Editorial Board member of Image Analysis and Stereology (ISSN 1580-3139), Practical Metallography (ISSN 0032-678X, in both German and English), and Rare Earths (ISSN 1001-0521, in both Chinese and English).

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