

Keynote 4: Ten editions of ICDAR: Overview and Outlook

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Abstract. After ten editions of ICDAR, it seems to be now time and necessary to do a backtracking for making an overview and a retrospective of what happened during this period of time in our research domain.

At first, in this talk the general scientific environment and the evolution of ICDAR features over time will be presented. Then, after a brief historical view and a summary of the main topics of each of the ten ICDAR, the major facts, milestones and results will be put into perspective. Past evolutions, recent achievements and future trends will be analyzed in order to extract some useful know-how and skills.

This talk will point out the major advances accomplished in the domain of digital document processing, analysis, recognition and understanding, over a period of almost two decades (1991-2009). These advances will be analyzed in terms of: research avenues, models, methods, standards, languages, systems, hardware, software, experimentations, application domains, industrial products, success and failures, etc. Future prospects, trends and challenges will be highlighted. Finally, some guidelines will also be suggested.

Guy Lorette is currently a professor in computer science and image processing at the Rennes 1 University. He received his engineer diploma (in 1967) and his engineer-doctor degree (in 1970) from the INSA, Lyon, and his "doctorat ès sciences physiques" (in 1983) from the Paris 12 Val de Marne University.

From 1967 until 1972, he was an Assistant Prof. in electrical engineering at the INSA, Lyon. From 1972 until 1987 he was an Associate Prof. in Electronic and Image processing at the Paris 12 Val de Marne University. In 1987, as Prof., he joined the Rennes 1 University and the IRISA laboratory, a joint research laboratory from INRIA, CNRS, Rennes 1 University, INSA and the ENS Cachan. His current research activities, within the Imadoc research team, are in the field of cursive handwriting recognition, image processing and man-document interaction.

Professor Lorette was general co-chair of several international conferences. i.e. ICDAR'91, the first International Conference on Document Analysis and Recognition held in Saint-Malo (France) in 1991, ICPR held in Hong-Kong in 2006 and two Korean-French workshops. He was also general co-chair of IWFHR 9 and of IWFHR10, the International Workshop on Frontiers in Handwriting Recognition. He was program co-chair of ICDAR 1995 and member of 38 other program committees. He is also one of the founder members of EVODIA, a French firm in the domain of document image processing.

He was an active member of several professional societies, namely the IAPR, IEEE, IGS, GRCE, AFRIF and an Associate Editor of the International Journals: "Pattern Recognition", "International Journal on Pattern Recognition and Artificial Intelligence", "International Journal on Document Analysis and Recognition". He is also a member of the advisory board of Unipen.