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FOREWARD

By the grace of Allah, we are at the beginning of the third year (Volume 3) of the publication of this Journal: **The International Journal on Islamic Applications in Computer Science and Technology**

The success and the welcome of the previous issues of this Journal by researchers from many countries, gave us great encouragement for continuing issuing in the due time. This Journal is aimed at publishing original research papers in the field of Islamic Applications in computer science and technology. This field is catching a momentum in recent years. This Journal is the first International Journal completely devoted for this specific field. As research is growing in this field, we hope that this Journal will be a platform for researchers working in the field to publish their research.

This issue contains four papers.

The first paper entitled: **Intelligent Tool for Mufti Assistance**. In this paper the authors focus on reasoning modes in legal domain and more exactly in Islamic legislation field. The approach in the paper depends in solving a new problem on reusing the solution of a similar problem already met, and stored in a memory of cases. The interpretative case based reasoning is a process of assessment of situations or solutions in a previous experience context. It is naturally daily used. Indeed, judges in their courthouse interpret a new situation in the light of case already met (case of jurisprudence). This style of reasoning in the Islamic legislation field is used as a tool of information retrieval which can be used during the process of Fatwā generation.

The second paper is entitled: **Automatic Knowledge Base Constructor for Al-Quran Retrieval System an LMF-based Normalization approach of Arabic Islamic dictionaries for Arabic Word Sense Disambiguation: application on hadith**. In this paper, a new approach for normalizing Arabic Dictionaries is introduced. This approach is used to transform non structured Arabic dictionaries into LMF (Lexical Markup Framework) based-normalized ones. Arabic Islamic dictionaries of hadith are exploited. An ontology is then constructed from these normalized dictionaries. This ontology contains explicit and formal knowledge about information in hadith. It is used later by an information retrieval system for Word Sense Disambiguation of Arabic terms of hadith either in the formulated user query or in the texts of hadith.

The third paper is entitled: **Multimedia Instructional Learning System to Aid in Teaching Quran Recitation with Effective Tajweed in Primary Education of Malaysia**. In an attempt to circumvent the predominated error at Malaysian schools, this study focuses on developing a multimedia instructional learning system to aid in teaching Quran recitation with effective Tajweed in primary education of Malaysia. A quantitative research method based on a survey questionnaire was used to collect data and validate the appropriateness of a multimedia design approach (Almoneer المنير) system developed in this study. The result showed that the system tremendously improved Quran teaching and recitation using an easy-to-understand methodology coupled with social features such as puzzle that motivated the students. Findings of this research confirmed that the multimedia model enhances learning better than the conventional learning system. It then, becomes evident that the developed model standout to improve learning capability of Quran students and the teacher's instructional approach in Malaysia.

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