

Internet+ BIM-Based Smart Hospitals: Prospects and Reflections (Postprint)

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Abstract

With the advancement of technology and the development of information technology, the healthcare industry has witnessed the emergence of new medical service models centered on smart healthcare. Meanwhile, three-dimensional technology is gradually permeating the entire engineering construction industry and the field of digital operation management. BIM, as one of the most important digital technologies that will influence industry development in the future, is inseparably linked to the development of informatization in the healthcare industry. This paper starts from the development status and existing problems of smart healthcare in China, explores the driving role of BIM in smart healthcare, proposes a foundational framework for BIM-based smart healthcare, and provides an outlook on its future application scenarios and development trends.

Full Text

Preamble

This manuscript is published through the ChinaXiv cooperative journal program. The text contains numerous mathematical expressions, denoted as $\%&' \$, , 5./!$, and continuing through $\$ U>A] A]FEFIF+\hat{6}F<A_G;>F<;FJ<_M6JA>< AF;]<+0\# J<FLA^F* _6FE>;J+GFMI>;FbJGFE < G6JMA6FE>;J+AMFJA6F<AJ^FJMG>< A/F6FE>;J+><E/GAM ',5FJ<L/>+F\# A]F@D AF;]<+*0 '>G0MJE/J++' >< _>+AMJAK ><0><AA]FFMF;<GAM/;A><><E/GAMJ0>AJ+^FMJA><G6J<J0F6FF+E,345\# JG<F* _A]F6GA>6^{MAJ0>AJ+AF;]<+0>FG><+/F<;><0A]F/A/MF>J+EFIF+ 6F<A\# >GJ+GMF+JAFE ;+*GF+'L>A] A]F>< _M6JA>< AF;]K <+0'EFIF+\hat{6}F< A]F6FE>;J+><E/GAM,7/>G^JFMGAJMAG_M6 A]F^MFGF<AEFIF+ \hat{6}F<AJGA><0Mb+F6G *G6JMA6FE>;J+>F+EG>< C]><J\# _++L><0FZ^+MFGA]FM+F345 >< \^M6A><0G6JMA6FE>;J+;JMF\# A]F^M^GFG JG6JMA6FE>;J+AMFJA6F<A_MJ6FLM= bJGFE < 345\# J<E ><J++' MFE>;AGA]F_A/MFJ^+>;JA>< G;FGJ<E EFIF+K \hat{6}F<AAMF<EG, Q4E RA7;5$, which are preserved in their original form.$

Note: Figure translations are in progress. See original paper for figures.

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