Source: U:/usuarios/luciano/2007_ENIA07/versao_final/digiampietri_enia2007.dvi (psu.edu)
Brief Intro: This article discusses the issue of web service interoperability as there is no one service capable of performing every tasks required. As such, different web services often have to be composed together to solve a given issue. The paper discusses how AI can be used to resolve this issue.

Source: Proceedings Template - WORD (wustl.edu)
Brief Intro: This paper covers the composition of web services in regards to cloud computing. The experimental results of this paper find the AI can be used to effectively and efficiently find optimal cloud web service combinations.

Source: Federated AI for the Enterprise: A Web Services Based Implementation | IEEE Conference Publication | IEEE Xplore
Brief Intro: This paper covers the inability of enterprises to share data freely across different locations for a multitude of reasons. As web services provide an opportunity for cross-domain information, the paper explores how AI can help enterprises distribute data across different domains.

Source: A hybrid genetic algorithm for the optimal constrained web service selection problem in web service composition | IEEE Conference Publication | IEEE Xplore
Brief Intro: This paper covers the composition of web services and the difficulty in selecting the right services to solve a given problem. It proposes the implementation of a hybrid genetic algorithm to optimize the selection process and proves that it outperforms existing algorithms.

Source: DL Reasoning and AI Planning for Web Service Composition | IEEE Conference Publication | IEEE Xplore
Brief Intro: This paper discusses how Description Logics and AI planning can be used for the automated composing of web services as demonstrated by the logic programming language sclGolog.

Source: 3613ijcseit03-libre.pdf (d1wqtxts1xzle7.cloudfront.net)
Brief Intro: This paper discusses the composition of web services as individual, modular components and proposes solutions on how the efforts of researchers can be focused to provide a more efficient solution.

Source: Applying AI Planning to Semantic Web Services for Workflow Generation | IEEE Conference Publication | IEEE Xplore
Brief Intro: This paper looks into Semantic Web Services (the encapsulation of domain knowledge through semantic descriptions) and presents a theory (“Event Calculus”) of AI planning that demonstrates the benefits of AI automated workflows.

Source: [Microsoft Word - ANZIIS03.doc (core.ac.uk)]
Brief Intro: This paper provides a more general overview of the applications of AI in the field of web services and the numerous benefits AI provide. It covers topics such as the re-composition of web services and the implementation of semantic descriptions