

## عنوان مقاله:

Design and Development of Comprehensive Software for Risk Management of Pipelines Carrying Natural Gas:  
Conceptual Design

## محل انتشار:

اولین همایش بین المللی HSE در پروژه های عمرانی، معدن، نفت و گاز (سال: 1393)

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## نویسندگان:

Mehrzad Ebrahemzadih - *3Department of Occupational Health, Faculty of Health, Kurdistan University of Medical Sciences, Sanandaj, Iran*  
Kurdistan Environmental Health Research Center, Kurdistan University of Medical Sciences, Sanandaj, Iran

Payam Amir-Heidari - *Department of Civil and Environment Engineering, Amirkabir University of Technology, Tehran, Iran*

Omid Giahi - *Kurdistan Environmental Health Research Center, Kurdistan University of Medical Sciences, Sanandaj, Iran*  
*3Department of Occupational Health, Faculty of Health, Kurdistan University of Medical Sciences, Sanandaj, Iran*

## خلاصه مقاله:

Nowadays natural gas is the main source of energy in most of the countries. This energy carrier is used as a fuel in residential areas and for automobiles, power stations, and other industrial units. Gathering, transmission, and distribution pipelines carry the NG1 from wellhead to end-users. These pipelines are exposed to various types of risks, such as corrosion, ground movement, third-party interference, etc. regarding the critical role of NG in Iran and the risk of fire and explosion, it is necessary to identify, assess, and manage the risks of these pipelines properly. Since the risks of different sections of NG pipelines are completely different from each other, design, development and use of comprehensive software will be helpful in complex procedure of managing the risks of NG pipelines. In this work, the essential features of such software are surveyed

## کلمات کلیدی:

Risk Management, Natural Gas, Pipeline, what-if" review, DMRA, software

## لینک ثابت مقاله در پایگاه سیویلیکا:

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