

SPE Sub Regional Student Paper Contest Abstracts 2011

Bs. Level

<u>1</u>	New Approach to well placement optimization using Imperialism Competitive Algorithm (ICA). (Ebrahim Ghanbari)
<u>2</u>	Modeling the mechanism of asphaltene particles flocculation under the effect of ultrasonic wave radiation in toluene n-heptane mixture. (Mohammad Hamed Rad, Mandana Tavakolian)
<u>3</u>	Investigating the role of ultrasonic waves radiation on salinization of brine and mitigation of clay plugging in water injection process. (Marjan Sherafati)
<u>4</u>	Simulation of different water and gas injection arrangements as an EOR process for fractured and conventional oil reservoirs. (Nabiollah Khosravanian, Jalal Riyahi)
<u>5</u>	Technology and Wells' Smart completion above Petroleum. (mohsen haerinejad)
<u>6</u>	Modeling of Methane Diffusion And Adsorption in Carbon Nanotube bundles by Parallel Molecular Dynamics Simulation. (Mehdi Sadraei)
<u>7</u>	Experimental investigation of Ultrasonic waves role on increasing absolute permeability of a porous media damaged by Asphaltene depositions. (Mohammad Babaei Khorzoughi , Benyamin Saedi)
<u>8</u>	Enhancing oil recovery with ionic liquids. (M.Ahmadi Nia)
<u>9</u>	Experimental and Modeling Investigation of Capillary Pressure and Relative Permeability Curves during Gravity Drainage under Influence of Ultrasonic Wave. (Hossein Maazallahi)
<u>10</u>	Challenges of choosing drilling fluid in Underbalanced Drilling; is air the optimum choice? (Ghader Esfandiyari)

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<u>11</u>	Experimental and analytical investigation of ultrasonic waves effects on immiscible gravity drainage process. (Behnam Keshavarzi)
<u>12</u>	Application of Artificial Neural Network for Prediction of Lost Circulation. (Bahador Vakilinia)
<u>13</u>	Experimental study on using ammonium based ionic liquids in oil recovery. (Armin Abdollahi)
<u>14</u>	A new mathematical modeling of asphaltene induced formation damage in order to predict permeability with an approach to investigation of ultrasonic stimulation efficiency. (Arash Rabbani)
<u>15</u>	The Feasibility Study of Adapting Laser Technology for a Revolutionary Application in Oil and Gas Exploration. (Mahdi Bakhtbidar)