**Bulgarian Academy of Sciences**

**Institute of Chemical Engineering**

**CERTIFICATE**

**The influence of the crack geometry - length and orientation angle, temperature and nano-SiO₂ content on the behaviour of a concrete nano-composites with**

**a central crack**

**Gergana Nikolova**

**This is to certify that the paper has been presented in the**

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**OF NANOCOMPOSITES STRUCTURES**

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 **Prof DSc Kaloyan Petrov …………………**

**Institute of Chemical Engineering**