Oberseminar Topologie: 11.12.2017

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„Twisted $spin^c$ bordism and twisted K-homology.“

Abstract:
In our talk we present a twisted analogue of a result of Hopkins and
Hovey who show that the functor which associates to a space X the graded abelian group
$\Omega^{spin}_{*}(X) \otimes_{\Omega^{spin}_{*}} KO_{*}(pt)$ yields a
geometric description of $KO_{*}(X)$. Our analogue for twisted K-theory also
gives further inside to a Brown-Douglas approach to twisted K-homology.
The results are joint work with Baum, Khorami and Schick.