**ABSTRACT SUBMISSION**

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ABSTRACT / RESUME:

**Another New Life for a Hyper Radial Lens**

The Bi Form Hyper Radial Fresnel Lens from Mew Island Lighthouse is a unique piece of engineering and lighthouse heritage. It is one of only two biform Hyper-radial Fresnel lens remaining in the world; one of 14 built by F. Barbier in Paris in 1887, part of the first biform hyper-radial Fresnel lens installed in a lighthouse in the world and one of only two converted by the Chance Brothers.

This unique lens started its life on Tory Island in 1887 and was converted by Chance Brothers in 1928 and moved to Mew Island. It served on Mew Island until 2014 when it was replaced by a new energy efficient light source. It is now destined to be restored and rebuilt to begin a new life as an iconic gateway project in the Titanic Quarter in Belfast.

This paper will trace the life of the lens from initial construction to the present day, the many challenges in disassembling the lens and bringing it ashore, its reconstruction and finally the plans for its display as a working lens in Titanic Quarter, Belfast.

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