



Åsvald LIMA (Asvald.Lima@hia.no), Department of Mathematics, Agder College, Serviceboks 422, 4604 Kristiansand, Norway, *Hahn-Banach extension operators and spaces of operators*.

ABSTRACT. We shall study Hahn-Banach extension operators

$$\Phi : \mathcal{F}(Z, X)^* \rightarrow \mathcal{L}(Z, X^{**})^*,$$

and

$$\Phi : \mathcal{F}(Z, X)^* \rightarrow \mathcal{W}(Z, X^{**})^*.$$

When do Φ exist? If Φ exists, can we describe how Φ looks like? We shall show that the existence of Φ is closely connected to the approximation property for X or X^* .

My talk will report on recent work by Åsvald Lima, Vegard Lima and Eve Oja.