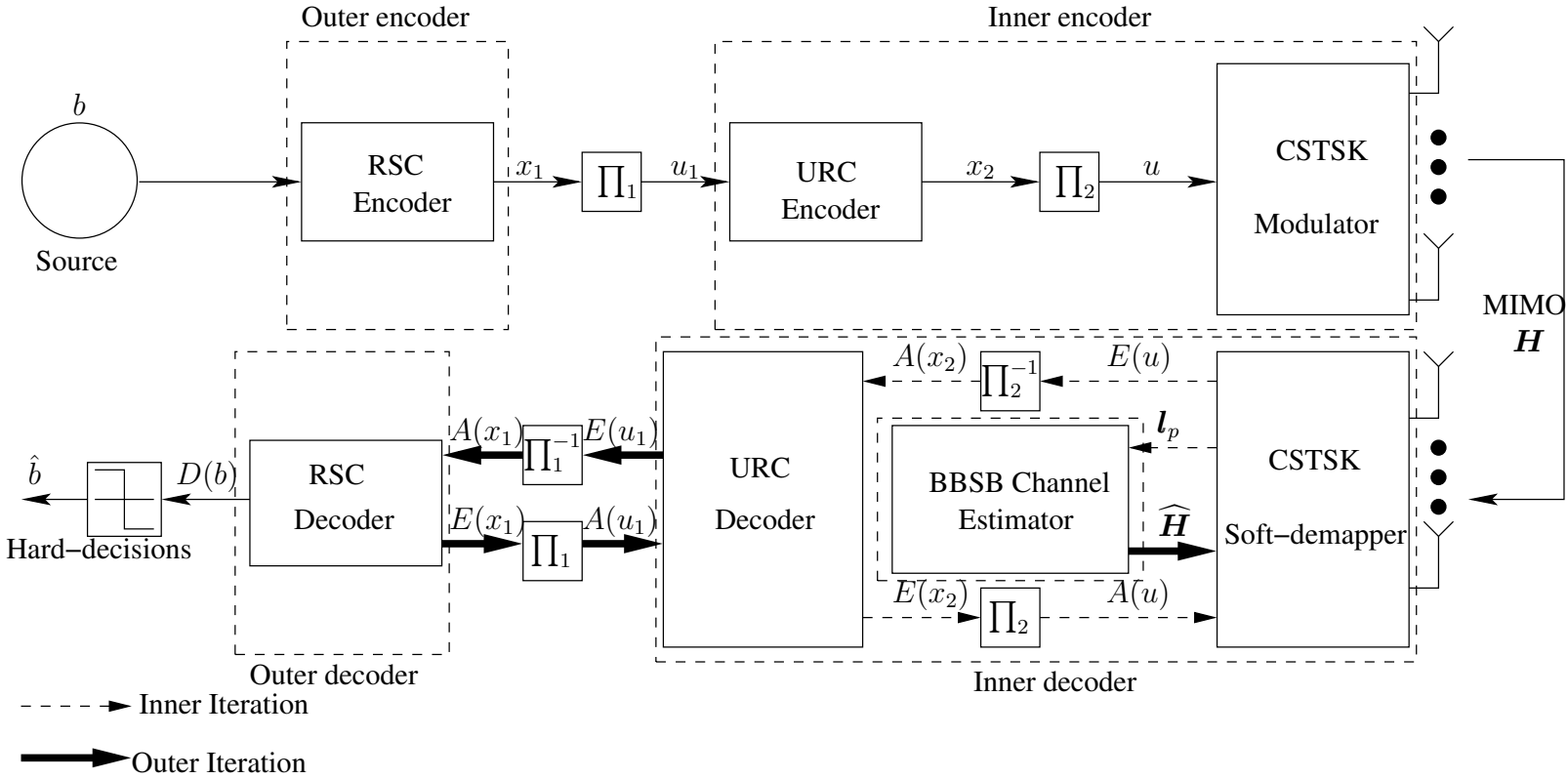
Outer encoder
Inner encoder
b
Source
RSC
Encoder
x_1
$\prod_1$
u_1
URC
Encoder
x_2
$\prod_2$
u
CSTSK
Modulator
MIMO
$\boldsymbol{H}$
$A(x_2)$
$\prod_2^{-1}$
$E(u)$
$\boldsymbol{l}_p$
$A(x_1)$
$\prod_1^{-1}$
$E(u_1)$
URC
Decoder
BBSB Channel
Estimator
CSTSK
Soft−demapper
$\widehat{\boldsymbol{H}}$
$\hat{b}$
$D(b)$
RSC
Decoder
$E(x_1)$
$\prod_1$
$A(u_1)$
$E(x_2)$
$\prod_2$
$A(u)$
Hard−decisions
Outer decoder
Inner decoder
Inner Iteration
Outer Iteration