Osipov, Yu. S.; Pandolfi, L.; Maksimov, V. I.
The problem of robust boundary control: the case of Dirichlet boundary conditions. (English. Russian original) [Zbl 1051.93049]

The authors model a boundary control system by means of semigroup theory and boundary operators (for the origins of this approach see the reviewer [SIAM J. Control 6, 349–385 (1968; Zbl 0164.10902]) and D. Washburn [SIAM J. Control Optimization 17, 652–671 (1979; Zbl 0439.93035)]. They announce a number of results on closed-loop robust boundary control.

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MSC:
93C20 Control/observation systems governed by partial differential equations
93B51 Design techniques (robust design, computer-aided design, etc.)
93B28 Operator-theoretic methods

Keywords:
boundary control; closed-loop systems; robust control