



Engineering Research at the University of South Alabama Systems Engineering



Dr. Robert Cloutier UFORXWLHU#VRXWKDODEDPD HGX
z 0RGHO EDVHG V\ VWHPV HQJLQHHULQJ
z 0RGHO EDVHG HQJLQHHULQJ
z 'LJLWDO 7KUHDG 'LJLWDO 7ZLQ
z 6\ VWHP \$UFKLWHFWXUH 3DWWHUQV
z 0HWDYHUVH IRU V\ VWHPV HQJLQHHULQJ
z *UDSKLFDO FRQFHSW RI RSHUDWLRQV &21236

Dr. Kari Lippert NOLSSHUW#VRXWKDODEDPD HGX
z 0HWDYHUVH IRU V\ VWHPV HQJLQHHULQJ
z 6\ VWHPV (QJLQHHULQJ

Dr. Bhushan Lohar EORKDU#VRXWKDODEDPD HGX
z 0RGHO EDVHG V\ VWHPV HQJLQHHULQJ
z 6SDFH V\ VWHPV HQJLQHHULQJ
z 0LVVLRQ HQJLQHHULQJ
z 3URGXFW OLQHDU HQJLQHHULQJ PRGHOLQJ
z &RQFHSW RI RSHUDWLRQDO FRQFHSWV
z 5HTXLUHPPHQWV HQJLQHHULQJ DQG PDQDJHPPHQW
z 5HTXLUHPPHQWV LQWHJUDWLRQ YHULILFDWLRQ YDOLGDWLRQ
z \$UWLILFLDODU LQWHJUDWLRQ MZLQV

Dr. John Usher XVKHU#VRXWKDODEDPD HGX
z 6\ VWHPV VLPXODWLRQ PRGHOLQJ DQG DQDO\VLV
z 'HVLJQ DQG RYHUVLWJRGXFWLRQ V\ VWHPV
z \$SSOLFDWLRQ RI DUWLILFLDO LQWHJUDWLRQ OLJHGFH LQ PDQXIDDO

Engineering Research at the University of South Alabama

Civil, Coastal, and Environmental Engineering



Dr. John Cleary FOH DU \# VRXWKDODEDPD HGX

z 3RVW GLVDVWHU VWUXE QYHVDLH DWRD WLRQ DQG
z)RUHQDF O\VLV LQYHVWLJDWLRQ DQG HYDOXDWLRQ
z /DUJH DQG VPDOO VFDOH VWUXFWXUDO WHVWLQJ LQFOXGL
z &RQVWUXFWLRLRQ HYDOXDWLRQ DQG LQYHVWLJDWLRQ
z &RQFUHWH WHVWLRLRQ DQG HYDOXDWLRQ

Dr. Trung Do WUXQJGR#VRXWKDODEDPD HGX

z +XUULFDQH ZLQG ZDYH DQG VXUJH
z &RDVWDO DQG QHDU FRDVW VWUXFWXUHV
z &RPPXQLW\ UHVLOLHQFH DQG UHFR zFWXUHV VP





Dr. Yousef El-Sharkh \HO VKDUN#VRXWKDODEDPD HGX

z 6PDUW JULG
z 'LVWULJXQVHUGWLRQ
z 5HQBZDECGH DOWHUQDYLWVHPVQDQJ\YLUWXDO SRZHU SODQWV
z ,QWHJUDWLRQ ZLWKPZDEVDHVLG
z 3KDVRU PHDVXUHPHQW XQLWV DQG ZLGH DUHD PRQLWRULQ
z 0XOWL DJHQW V\WHPV DQG GLWULEXWLYH FRQWURO
z (QHUJ\ VWRUDJH V\WHPV
z 3RZHU V\WHP SODQQLRZHDQTXEEDQWURDQG SRZHU HOHFWUR
z \$UWLILFLDO LQWHOOLJHQFRQWVFKQOTXHQWLRQSSRZHU V\W

Dr. Na Gong QDJRQJ#VRXWKDODEDPD HGX

z \$UWLILFLDO \$QWMDOKRQRH\
z ,QWHOOLJHQWFRQWVFKQOTXHQWLRQSSRZHU V\WHPV
z 9LHZHU DZDUHVPRIERH
z Ä%P2z

