SYMBOLS

7	O1 1	1 1 1 1 1	
h	Chiink	bandwidth	

C SNR

CSI CSI matrix

EE Energy efficiency

f Frequency

F Noise figure

FI Fairness index

G Gain

H Channel condition

j j-th group of user

k Boltzman constant

l l-th carrier

L Total aggregated carrier

n n-th user

N Total user

P Transmitted power

PL Pathloss

r Instantaneous datarate

R Coverage distance

Rx Receiver

s s-th timeslot

SE Spectral efficiency

t System temperature

Tx Transmitter

v n-th chunk

V Total chunk

 α Chunk allocation matrix

 β Power allocation matrix

 γ Achievable datarate

 Γ Required SNR gap

 σ Deviation standard

 μ Mean

Dedicated to my family, my friends, my university, and my beloved country