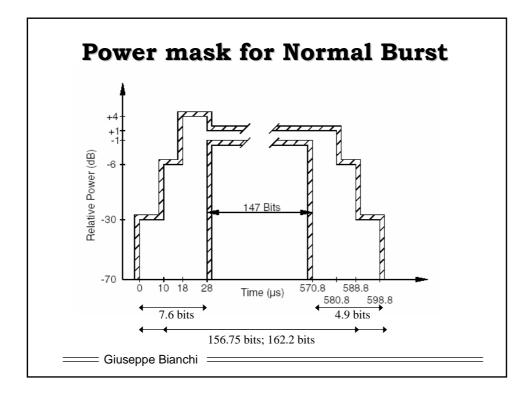
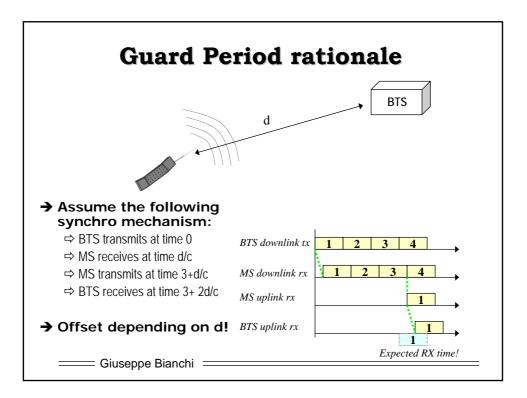
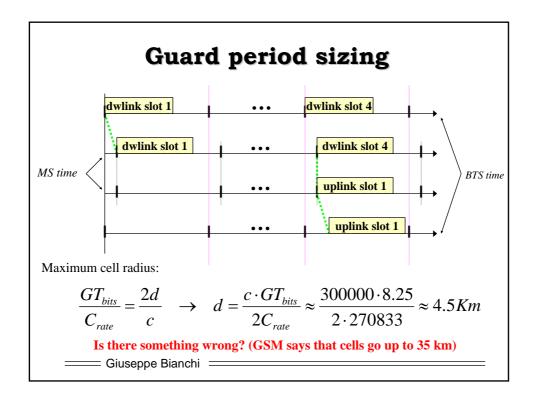
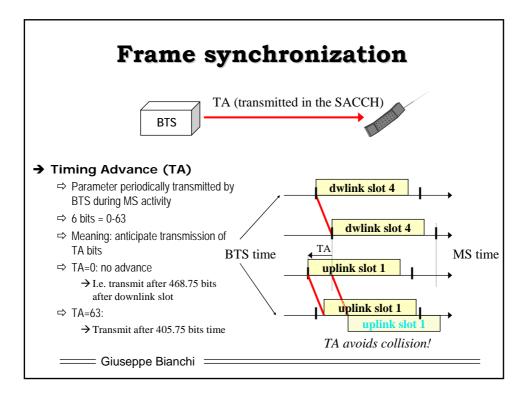


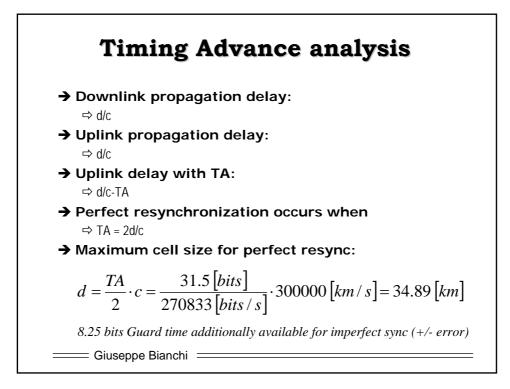
Training sequences				
Training sequence				
code (TSC)	Training sequence bits (b61, b62,, b86)			
0	(0,0,1,0,0,1,0,1,1,1,0,0,0,0,1,0,0,0,1,0,0,1,0,1,1,1)			
1	(0,0,1,0,1,1,0,1,1,1,0,1,1,1,1,0,0,0,1,0,1,1,0,1,1,1)			
2	(0,1,0,0,0,0,1,1,1,0,1,1,0,1,0,0,0,1,0,0,0,1,1,1,1,0)			
3	(0,1,0,0,0,1,1,1,1,0,1,1,0,1,0,0,0,1,0,0,0,1,1,1,1,0)			
4	(0,0,0,1,1,0,1,0,1,1,1,0,0,1,0,0,0,0,0,0			
5	(0,1,0,0,1,1,1,0,1,0,1,1,0,0,0,0,0,1,0,0,1,1,1,0,1,0)			
6	(1,0,1,0,0,1,1,1,1,1,0,1,1,0,0,0,1,0,1,0			
7	(1,1,1,0,1,1,1,1,0,0,0,1,0,0,1,0,1,1,1,0,1,1,1,1,0,0)			
00	s used in adjacent cells! Avoids training sequence ption because of co-channel interference.			

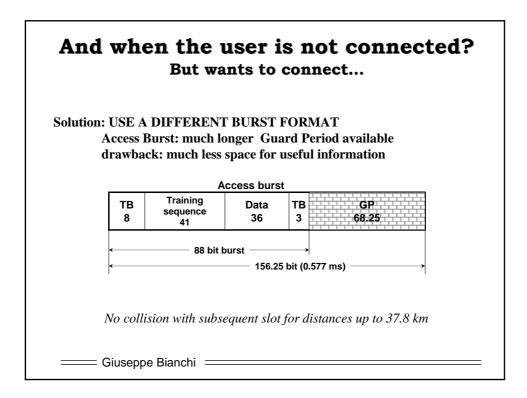


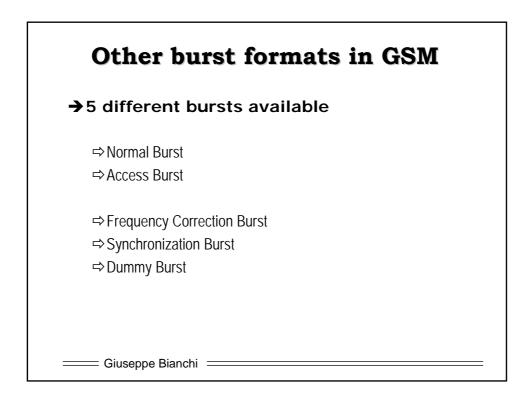


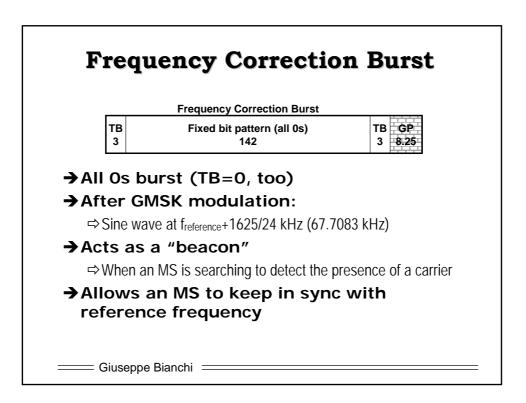


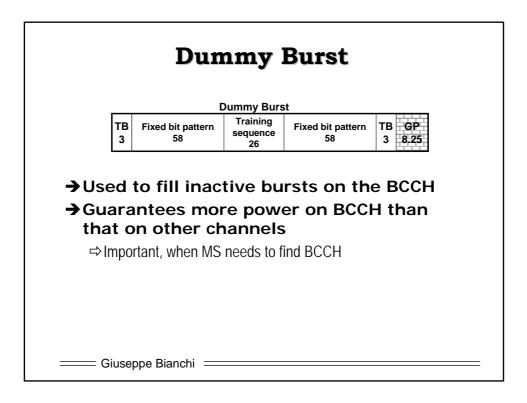


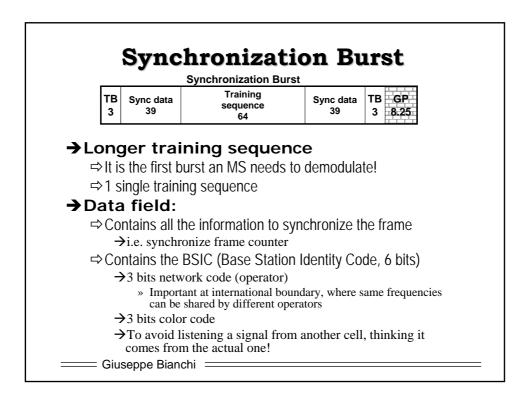


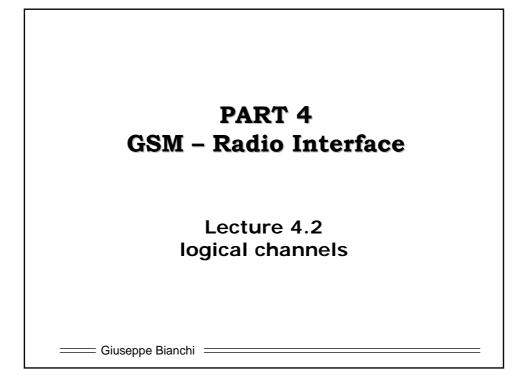


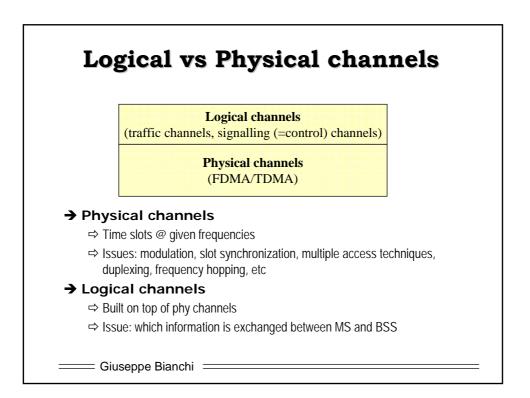


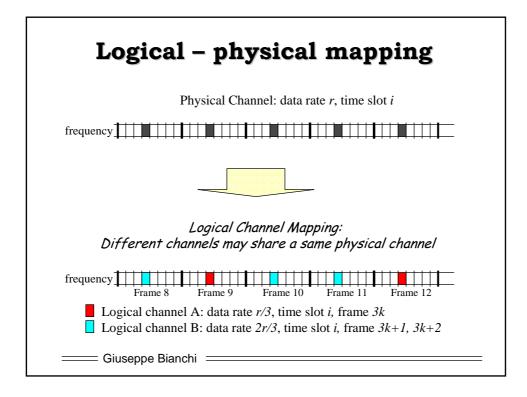




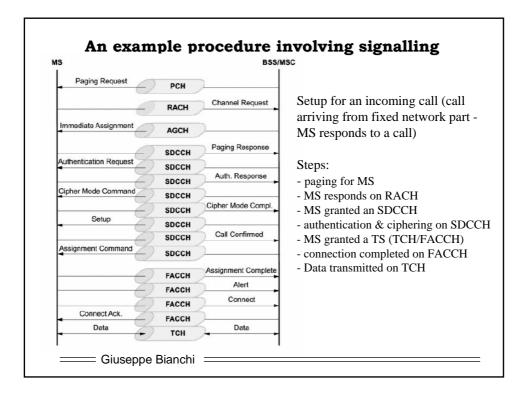


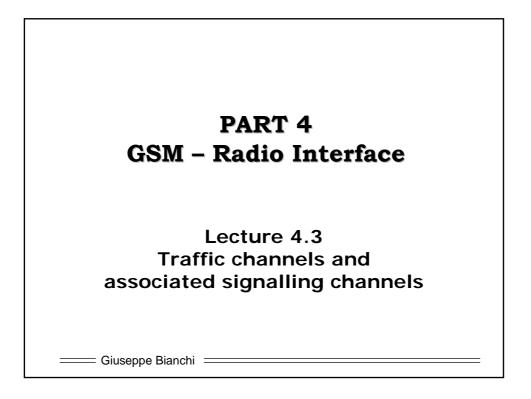


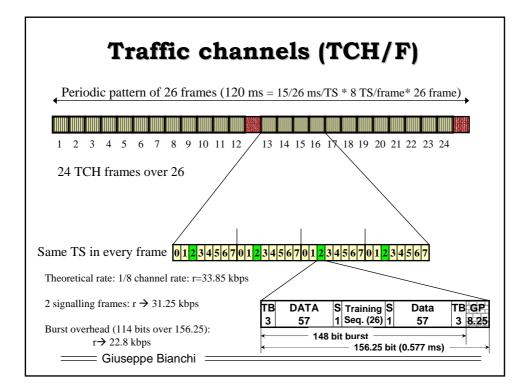


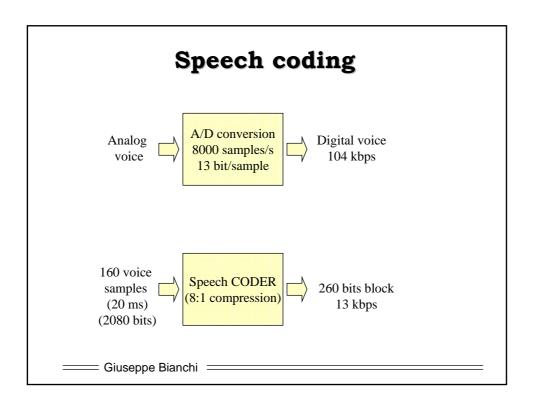


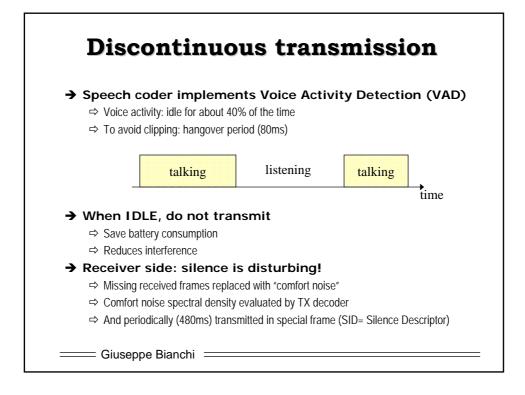
Traffic channel (TCH)	TCH/F	TCH full rate	MS←→BSS
	TCH/H	TCH half Rate	MS←→BSS
Broadcast channel	ВССН	Broadcast control	BSS→MS
(same information to all MS in a cell)	FCCH	Frequency Correction	BSS→MS
	SCH	Synchronization	BSS→MS
Common Control channel (CCCH)	RACH	Random Access	MS→BSS
(point to multipoint channels)	AGCH	Access Grant	BSS→MS
(used for access management)	РСН	Paging	BSS→MS
Dedicated Control channel (DCCH)	SDCCH	Stand-alone Dedicated control	MS←→BSS
(point-to-point signalling channels)	SACCH	Slow associated control	MS←→BSS
(dedicated to a specific MS)	FACCH	Fast associated control	MS←→BSS

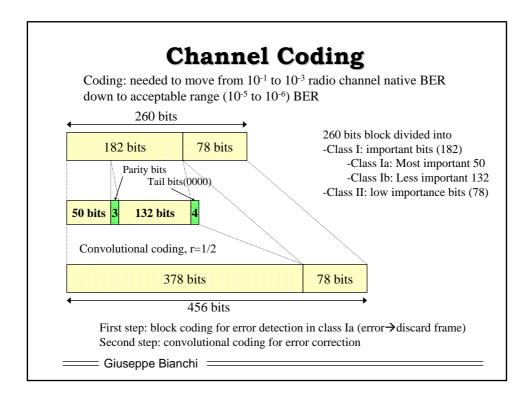


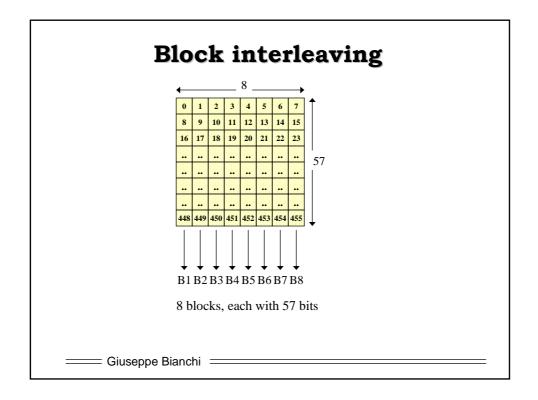


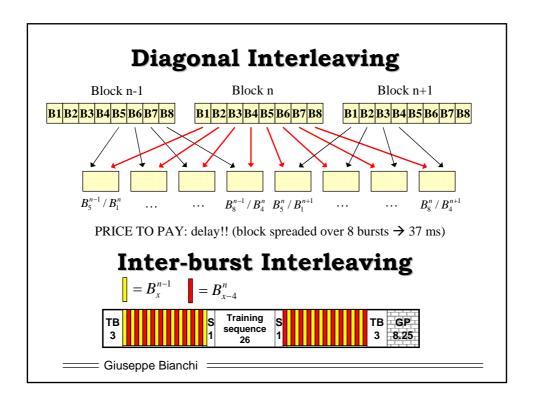


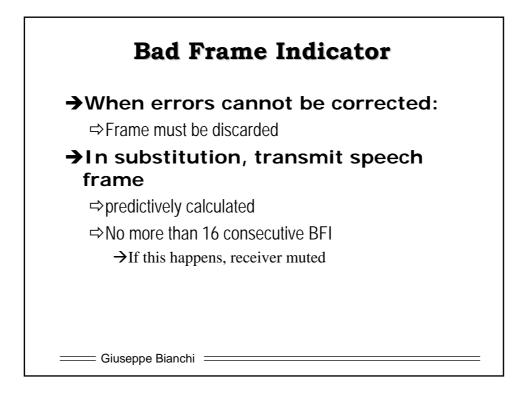


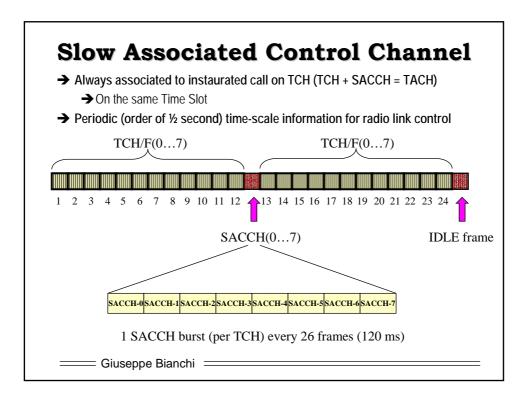


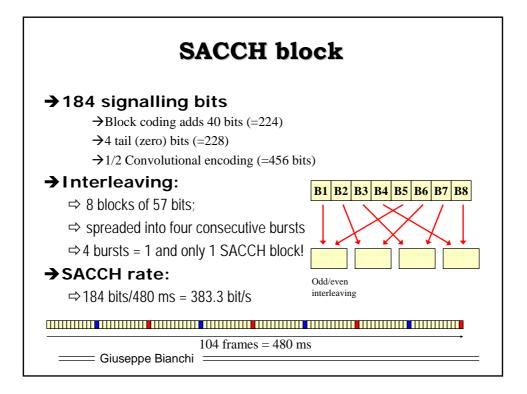


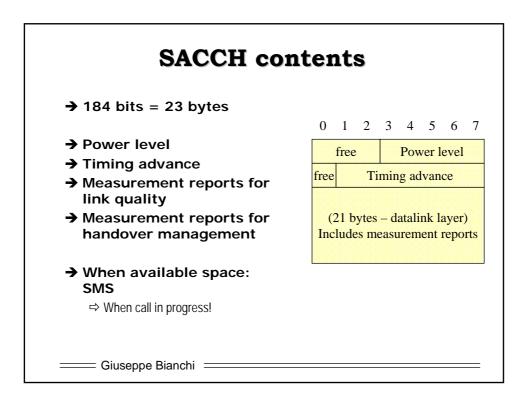


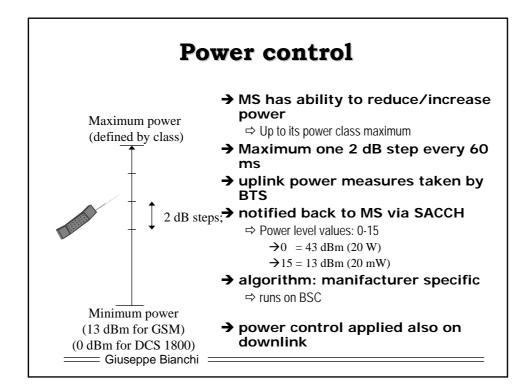












RXLEV ⇔ Power level ⇔ Present channel + neighbohr cell)			→ RXQUAL ⇒ Bit Error Rate (raw)			
	Channe	i + neigini		Bit error	From	То
RX signal	From	То		Ratio	(%)	(%)
level	(dBm)	(dBm)		RXQUAL_0	-	0.2
RXLEV_0	-	-110		RXQUAL_1	0.2	0.4
RXLEV_1	-110	-109		RXQUAL_2	0.4	0.8
RXLEV_2	-109	-108		RXQUAL_3	0.8	1.6
RXLEV_3	-108	-107				
•••				RXQUAL_4	1.6	3.2
				RXQUAL_5	3.2	6.4
RXLEV_62	-49	-48		RXQUAL_6	6.4	12.8
RXLEV_63	-48	-		RXQUAL_7	12.8	-
	U	over 1 SA Bianchi	ACCH block (480ms = 104	frames	3)

