



Lamberto Caccioli

# *Flectar*

trombone and live electronics

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## Programme Notes

*Flectar*, a Latin word meaning “to bend”, is dedicated to David Purser, whose help has been invaluable during both conception and writing of the work.

## Performance Notes

*Flectar* is in four parts. In part 1 and 3 a series of cues correspond to individual electronic events. In part 2 and 4 a verbal description identifies the link between the performer’s gesture and the resulting sound. In most cases the position of the slide, combined or not with sound attacks, controls the triggering of electronic events or the nature of the transformation. Therefore it is very important to use always the slide positions indicated in the score.

The electronics consist in a Max/MSP software patch available from the composer. The performance of *Flectar* requires a person to operate the computer and control the sound diffusion.

Technical requirements for the performance:

- computer (Mac or PC) running Max/MSP software [www.cycling74.com](http://www.cycling74.com)
- 2 in/8 out audio interface
- La Kitchen Kroonde Gamma wireless UDP sensor interface with flexion sensor [www.la-kitchen.fr](http://www.la-kitchen.fr) (equivalent systems may be used with minor modifications to the Max/MSP patch)
- 1 miniature microphone (DPA 4061 or equivalent)
- Reverb unit
- 6-point sound diffusion system with 6 speakers: front L/R 1-2, sides L/R 3-4, rear L/R 5-6

A recording is available on request.

Lamberto Coccioli  
16 Ashfield Road  
B14 7AS  
Birmingham, UK  
[lamberto.coccioli@uce.ac.uk](mailto:lamberto.coccioli@uce.ac.uk)

# Flectar

for trombone and live electronics

to David Purser

Lamberto Coccioli (2004)

Flexible tempo

$\text{♩} = 60$

Trombone

part1

cue 1

3

cue 2

cue 3

cue 4

6

cue 5

10

Musical score for measures 10-13. The top staff is in bass clef with a 3/4 time signature. Measure 10 starts with a 5-measure rest. Measure 11 begins with a *sfz* dynamic and a crescendo hairpin. Measure 12 has a *p* dynamic. Measure 13 has a *pp* dynamic. Measure 14 starts with a *p* dynamic and a decrescendo hairpin, ending with a *mp* dynamic. The bottom staff has a *cue 6* box under measure 11 and a *cue 7* box under measure 14. There are also bracketed numbers 5 and 3 above the first and second measures of the top staff.

*sfz* *p* *pp* *p* *mp*

cue 6 cue 7

14

Musical score for measures 14-15. The top staff is in bass clef with a 3/4 time signature. Measure 14 starts with a *p* dynamic and a 3-measure rest. Measure 15 begins with a *sfz* dynamic and a crescendo hairpin. Measure 16 has a *p* dynamic. The bottom staff has a *cue 8* box under measure 15. There are also bracketed numbers 3 and 3 above the first and second measures of the top staff.

*p* *sfz* *p*

cue 8

16

takes Plunger mute

Musical score for measures 16-19. The top staff is in bass clef with a 3/4 time signature. Measure 16 starts with a *sfz* dynamic and a 5-measure rest. Measure 17 begins with a *p* dynamic and a decrescendo hairpin. Measure 18 has a *p* dynamic. Measure 19 starts with a *ff* dynamic and a crescendo hairpin. The bottom staff has a *cue 9* box under measure 16 and a *cue 10* box under measure 19. There are also bracketed numbers 5 and 8 above the first and second measures of the top staff. The word "gliss." is written above the notes in measures 17 and 19.

*sfz* *p* *p* *ff*

cue 9 cue 10

4 ♩=66

Musical score for measures 19-21. The score is in 12/8 time. Measure 19 starts with a tremolo (zigzag line) and a '+' sign above the staff. The melody features a glissando from a piano (*p*) dynamic to a mezzo-forte (*mp*) dynamic. The word "open" is written above the staff. A box below the staff contains the text "position1 variable delay + harmo". Measure 20 continues the glissando and dynamic change. Measure 21 features a tremolo and a '+' sign above the staff, with a glissando from *p* to *mp* and the word "open" above the staff. A second box below the staff contains "pos1 variable delay + harmo".

Musical score for measures 22-24. Measure 22 begins with a tremolo and a '+' sign above the staff, with a glissando from *p* to *mf* and the word "open" above the staff. A box below the staff contains "pos1 variable delay + harmo". Measure 23 features a triplet of eighth notes and a glissando from *mf* to *p*. Measure 24 starts with a tremolo and a '+' sign above the staff, with a glissando from *p* to *mf* and the word "open" above the staff. A second box below the staff contains "pos1 variable delay + harmo".

Musical score for measures 25-27. Measure 25 features a triplet of eighth notes and a glissando from *mf* to *p*. A box below the staff contains "pos1 variable delay + harmo". Measure 26 starts with a tremolo and a '+' sign above the staff, with a glissando from *p* to *mp*. Measure 27 features a quintuplet of eighth notes and a glissando from *mp* to *mf*.

Musical score for measures 28-30. Measure 28 begins with a tremolo and a '+' sign above the staff, with a glissando from *p* to *mf* and the word "open" above the staff. A box below the staff contains "pos1 variable delay + harmo". Measure 29 features a quintuplet of eighth notes and a glissando from *p* to *f*. Measure 30 features a sextuplet of eighth notes and a glissando from *p* to *f*. The time signature changes from 12/8 to 7/8 in measure 29 and back to 12/8 in measure 30.

30

7

*p* *f*

*p* *gliss.*

*p* 3

[simile]  
+

pos1 variable delay + harmo

32

5 6 7

*cresc.* *f* *p* *f*

Piú lento accel. molto A tempo

34

2 7

*pp* *mf* *p* *gliss.* *mf* *p* *f*

[simile]  
+

slide vibrato open no vibrato slide vibrato

pos1 variable delay + harmo

37

no vibrato slide vibrato no vibrato Flz. 5" 10/8

*p* *ff* *sfz* *sffz*

changes to Harmon mute

pos1 var del + harm

41  $\text{♩} = 100$

part3 triggered by attack and controlled by amplitude envelope follower

cue 1 cue 2 cue 3 cue 4 cue 5 cue 6 cue 7

45

cue 8 cue 9 cue 10 cue 11 cue 12 cue 13

49

cue 14 cue 15 cue 16 cue 17 cue 18 cue 19

53

cue 20 cue 21 cue 22 cue 23 cue 24 cue 25 cue 26

57

cue 27 cue 28 cue 29 cue 30 cue 31 cue 32 cue 33



8

73 *ff* 2. 3. 4. *mp* *gliss.* *sfz*

74 *mf* *f* *gliss.* *gliss.*

75 *f* 3. 4. 5. 6. 7. *sfz*

76 *ff* 2. 3. 1.3.5. *mf* *f* *sfz* 3. 4.

78 *sfz* 3. 4. 5. 1.3.4. *p* *f* *ff* *8vb ff*

80 *f* 1.3.4. *f* *8vb sfz* *ff*

82 *p* 1.3.4. *f* *mf* *f* *8vb sfz* *p* 1.3.4. *f* *ff*

85 1.3.5. *p* *f* *8vb ff* *mf* *p* *f* *8vb ff*

87

The image shows a musical score for three staves. The top staff is in bass clef, the middle in treble clef, and the bottom in bass clef. The music begins with a fermata on the first measure of each staff. The second measure features a melodic line in the bass staff and a chordal accompaniment in the treble and bass staves. Dynamics are indicated as *p* (piano) and *poco* (poco). The score concludes with a fermata on the final measure of each staff.