

## CONDUÇÃO DA REVISÃO SISTEMÁTICA

**Fonte:** Portal ACM (<http://dl.acm.org/>)

**Data de busca:** 12/05/2015

**Palavras-chave utilizadas:** face recognition, face detection, face tracking, low resolution, surveillance camera, illumination invariance, pose invariant, person recognition.

**String utilizada:** ((*face recognition OR face detection OR face tracking OR person recognition*) AND (*low resolution OR surveillance camera*) AND (*illumination invariance OR pose invariant*))

**Total de artigos encontrados:** 77

**Organização dos artigos encontrados:** Os artigos encontrados foram catalogados com o auxílio do software *Zotero*, e a utilização do padrão bibliográfico “*ACM SIGCHI Proceedings (2016)*”.

### Lista de artigos encontrados:

- [1] Abdelkader, M.F., Roy-Chowdhury, A.K., Chellappa, R. and Akdemir, U. 2008. Activity Representation Using 3D Shape Models. *J. Image Video Process.* 2008, (Jan. 2008), 5:1–5:16.
- [2] Aggarwal, J.K. and Ryoo, M.S. 2011. Human Activity Analysis: A Review. *ACM Comput. Surv.* 43, 3 (Apr. 2011), 16:1–16:43.
- [3] Arandjelović, O. and Cipolla, R. 2013. Achieving Robust Face Recognition from Video by Combining a Weak Photometric Model and a Learnt Generic Face Invariant. *Pattern Recogn.* 46, 1 (Jan. 2013), 9–23.
- [4] Arandjelović, O. and Cipolla, R. 2009. A Pose-wise Linear Illumination Manifold Model for Face Recognition Using Video. *Comput. Vis. Image Underst.* 113, 1 (Jan. 2009), 113–125.
- [5] Arandjelović, O. and Cipolla, R. 2006. Face Recognition from Video Using the Generic Shape-illumination Manifold. *Proceedings of the 9th European Conference on Computer Vision - Volume Part IV* (Berlin, Heidelberg, 2006), 27–40.
- [6] Arandjelović, O., Hammoud, R. and Cipolla, R. 2010. Thermal and Reflectance Based Personal Identification Methodology Under Variable Illumination. *Pattern Recogn.* 43, 5 (May 2010), 1801–1813.
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#### **Critérios de inclusão dos artigos:**

- (a) Trabalhos que definirem técnicas de reconhecimento facial.
- (b) Trabalhos que definem conceitos de processamento de imagens e de reconhecimento facial.
- (c) Trabalhos que se relacionem com o reconhecimento facial em ambientes reais, não controlados e de baixa luminosidade.
- (d) Trabalhos que envolvem o reconhecimento facial utilizando câmeras de baixa resolução.

#### **Critérios de exclusão dos artigos:**

- (a) Trabalhos que não tenham relação com o reconhecimento facial.
- (b) Possíveis trabalhos que utilizam técnicas de reconhecimento facial, porém em ambientes controlados, por exemplo, onde há boa iluminação e utilizam câmeras de alta resolução.
- (c) Trabalhos que apresentem avaliação superficial, sem apresentar os métodos e técnicas utilizadas.
- (d) Trabalhos que realizam o reconhecimento facial utilizando modelos 3D.
- (e) Trabalhos que não tenham sido avaliados por seus pares.



### Métodos de avaliação:

Os artigos encontrados serão avaliados primeiramente através de seus títulos e resumos, e posteriormente, se necessário, através da leitura de algumas passagens específicas do artigo, como por exemplo a introdução, os resultados e/ou a conclusão. Os artigos serão excluídos se atingirem pelo menos um dos critérios de exclusão preestabelecidos.

### Lista de artigos com status de inclusão ou exclusão:

Artigo	Critérios de inclusão atendidos	Critérios de exclusão atendidos	Status
1.	(b)	(a)	Excluído
2.		(a)	Excluído
3.	(a)(c)		Incluído
4.	(a)(c)(d)		Incluído
5.	(a)(c)		Incluído
6.	(a)(c)(d)		Incluído
7.		(a)	Excluído
8.	(a)	(d)	Excluído
9.		(a)	Excluído
10.	(a)(c)		Incluído
11.	(a)		Incluído
12.	(b)		Incluído
13.		(a)	Excluído
14.		(a)	Excluído
15.		(a)	Excluído
16.		(a)	Excluído
17.		(a)	Excluído
18.		(a)	Excluído
19.		(a)	Excluído
20.	(b)(c)	(b)	Excluído
21.	(a)(b)		Incluído
22.		(a)	Excluído
23.		(a)	Excluído
24.		(a)	Excluído
25.		(a)	Excluído
26.		(a)	Excluído
27.		(a)	Excluído
28.		(a)	Excluído
29.		(a)	Excluído

30.	(a)(b)(c)		Incluído
31.	(a)(b)(c)		Incluído
32.		(a)	Excluído
33.		(a)	Excluído
34.		(a)	Excluído
35.		(a)	Excluído
36.	(c)	(c)(d)	Excluído
37.	(b)	(d)	Excluído
38.		(a)	Excluído
39.		(a)	Excluído
40.		(a)	Excluído
41.		(a)	Excluído
42.		(a)	Excluído
43.		(a)	Excluído
44.		(a)	Excluído
45.	(b)	(a)	Excluído
46.		(a)	Excluído
47.		(a)	Excluído
48.	(b)	(a)	Excluído
49.		(a)	Excluído
50.		(a)	Excluído
51.		(a)	Excluído
52.		(a)	Excluído
53.		(a)	Excluído
54.		(a)	Excluído
55.	(b)	(a)	Excluído
56.	(b)	(a)	Excluído
57.		(a)	Excluído
58.		(a)	Excluído
59.		(a)	Excluído
60.		(a)	Excluído
61.		(a)	Excluído
62.	VERIFICAR	(a)	Excluído
63.		(a)	Excluído
64.		(a)	Excluído
65.	(a)(b)(c)		Incluído
66.	(a)		Incluído

67.		(a)	Excluído
68.		(a)	Excluído
69.		(a)	Excluído
70.		(a)	Excluído
71.		(a)	Excluído
72.	(b)	(a)	Excluído
73.	(b)		Incluído
74.	(a)(b)(d)		Incluído
75.		(a)	Excluído
76.		(a)	Excluído
77.		(a)	Excluído