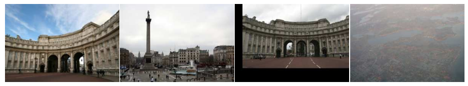
4 Painting Based Image Retrieval

We also evaluated the performance of our system on matching paintings to images to further show the effectiveness of our approach in cross-domain visual similarity as mentioned in section 3.4. Given below is a comparitively small subset of paitings and their results that we tested and our approach.


(a) Query


(b) GIST


(c) Tiny Images


(d) normalized-HOG


(e) Our Approach


(a) Query


(b) GIST

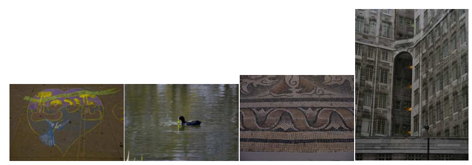

(c) Tiny Images


(d) normalized-HOG


(e) Our Approach


(a) Query

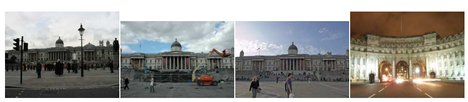

(b) GIST

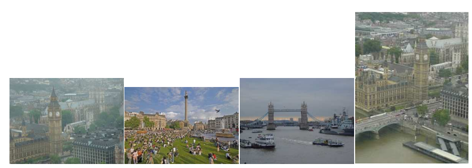

(c) Tiny Images

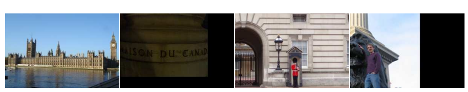

(d) normalized-HOG

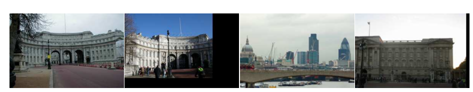

(e) Our Approach

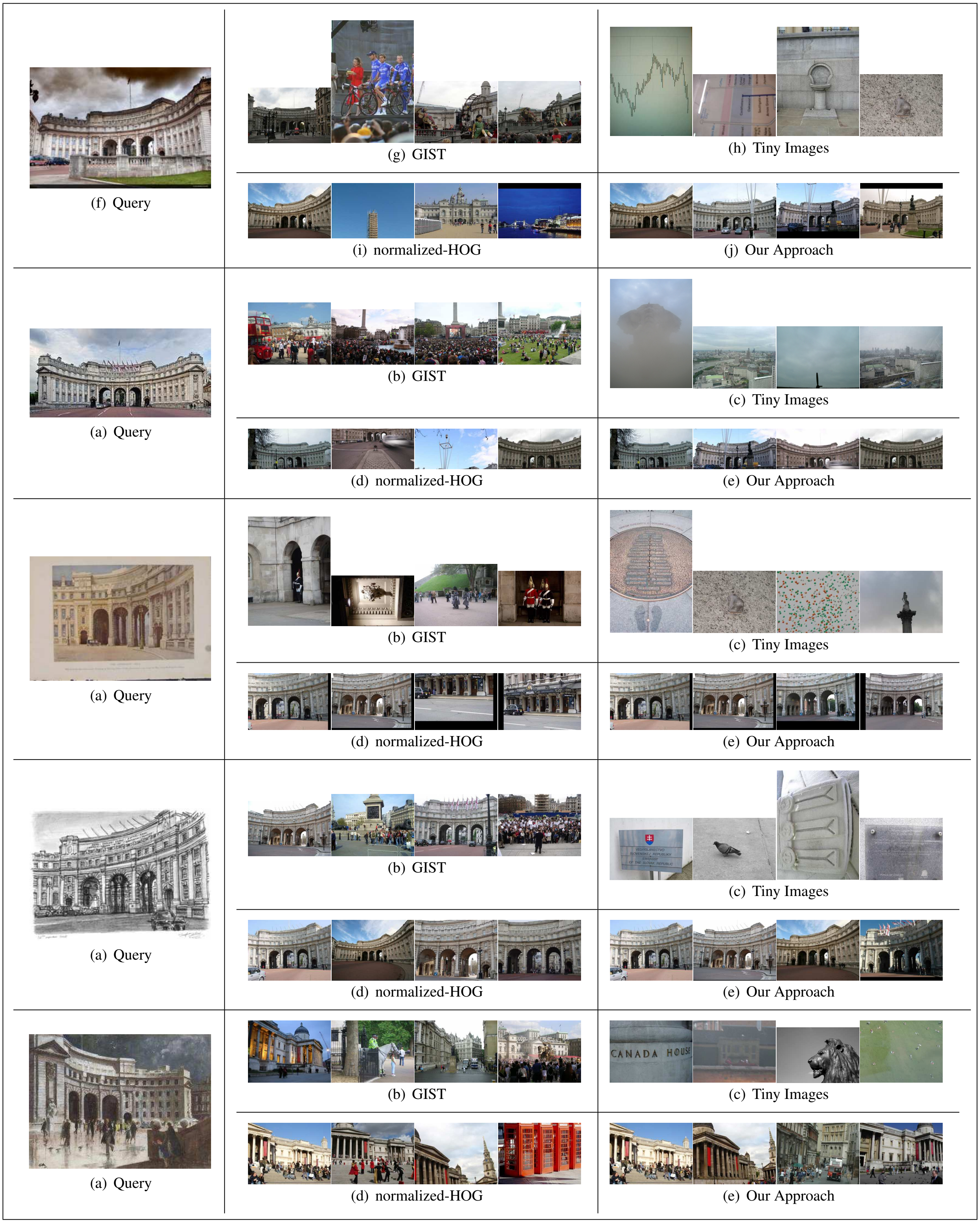

(a) Query


(b) GIST


(c) Tiny Images


(d) normalized-HOG


(e) Our Approach



(f) Query

(g) GIST

(h) Tiny Images

(i) normalized-HOG

(j) Our Approach

(a) Query

(b) GIST

(c) Tiny Images

(d) normalized-HOG

(e) Our Approach

(a) Query

(b) GIST

(c) Tiny Images

(d) normalized-HOG

(e) Our Approach

(a) Query

(b) GIST

(c) Tiny Images

(d) normalized-HOG

(e) Our Approach

(a) Query

(b) GIST

(c) Tiny Images

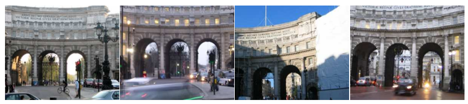
(d) normalized-HOG

(e) Our Approach


(f) Query

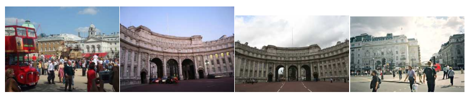

(g) GIST

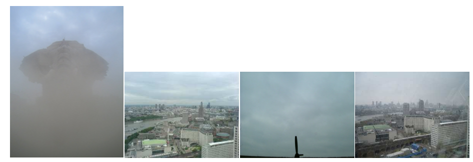

(h) Tiny Images

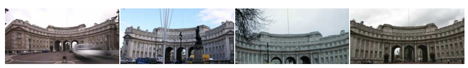

(i) normalized-HOG

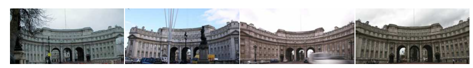

(j) Our Approach


(a) Query


(b) GIST

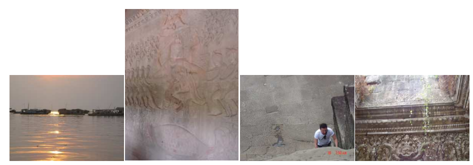

(c) Tiny Images


(d) normalized-HOG


(e) Our Approach


(a) Query

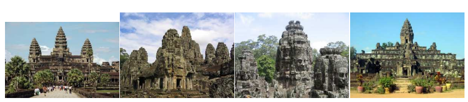

(b) GIST


(c) Tiny Images

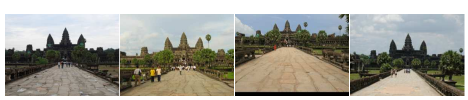

(d) normalized-HOG


(e) Our Approach


(a) Query


(b) GIST


(c) Tiny Images

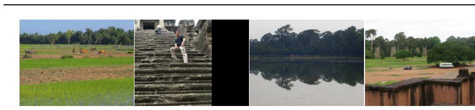

(d) normalized-HOG


(e) Our Approach

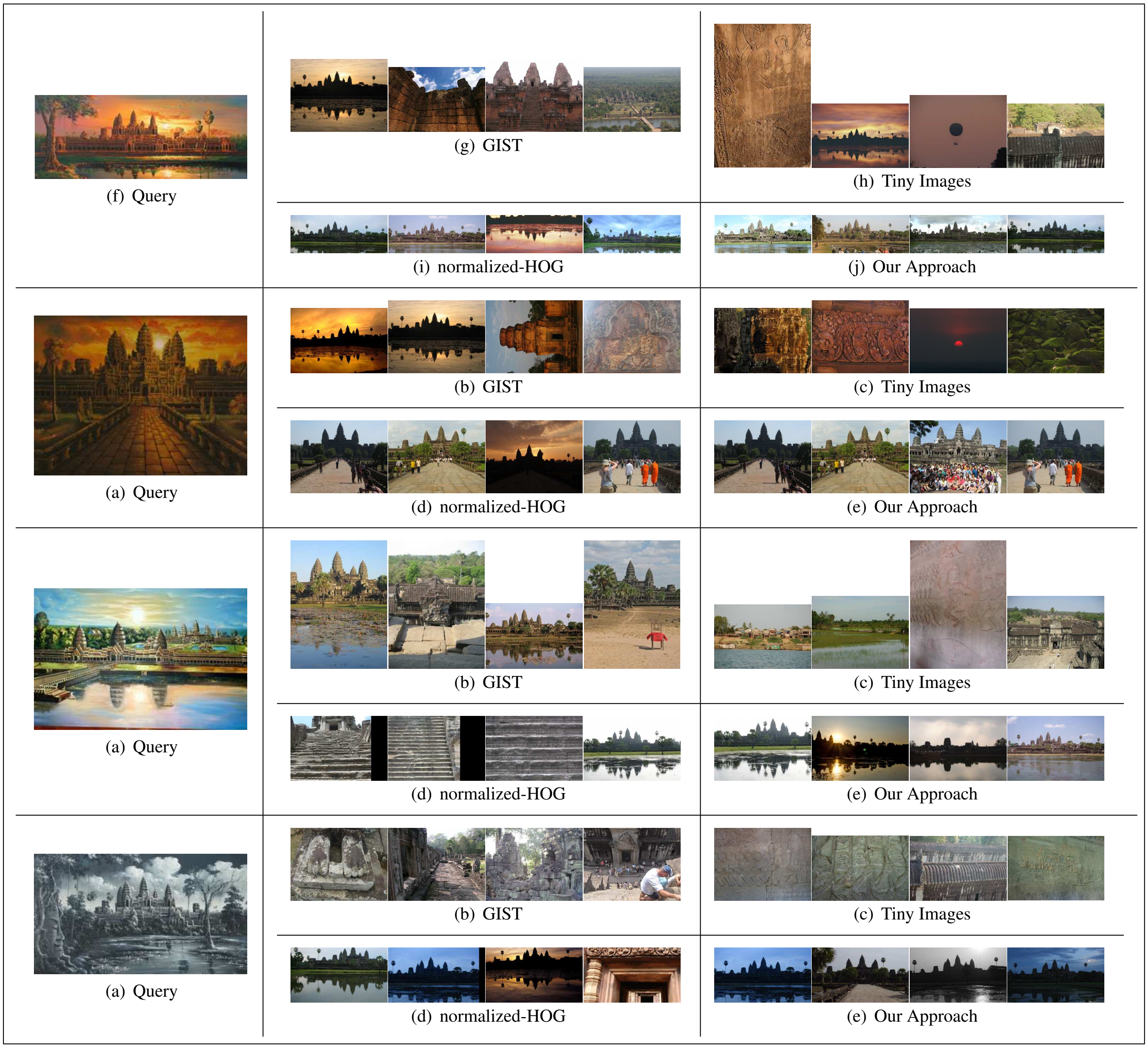

(a) Query


(b) GIST


(c) Tiny Images


(d) normalized-HOG


(e) Our Approach



(f) Query (g) GIST (h) Tiny Images (i) normalized-HOG (j) Our Approach

(a) Query (b) GIST (c) Tiny Images (d) normalized-HOG (e) Our Approach

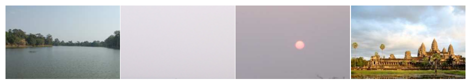
(a) Query (b) GIST (c) Tiny Images (d) normalized-HOG (e) Our Approach

(a) Query (b) GIST (c) Tiny Images (d) normalized-HOG (e) Our Approach

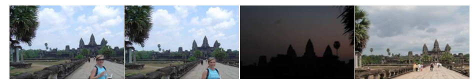
(f) Query

(g) GIST

(h) Tiny Images



(i) normalized-HOG

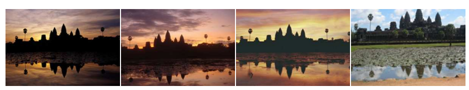


(j) Our Approach

(a) Query

(b) GIST

(c) Tiny Images



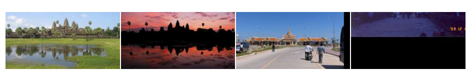
(d) normalized-HOG

(e) Our Approach

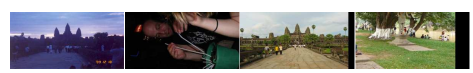
(a) Query

(b) GIST

(c) Tiny Images



(d) normalized-HOG

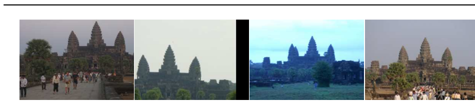


(e) Our Approach

(a) Query

(b) GIST

(c) Tiny Images



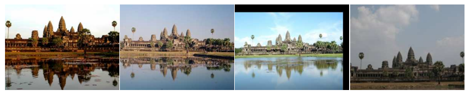
(d) normalized-HOG

(e) Our Approach


(f) Query

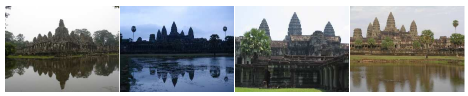

(g) GIST


(h) Tiny Images

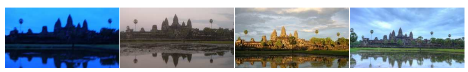

(i) normalized-HOG

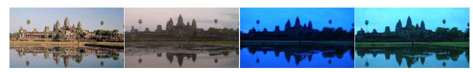

(j) Our Approach


(a) Query


(b) GIST


(c) Tiny Images

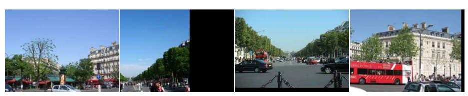

(d) normalized-HOG


(e) Our Approach


(a) Query


(b) GIST


(c) Tiny Images

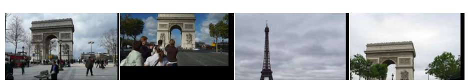

(d) normalized-HOG


(e) Our Approach


(a) Query

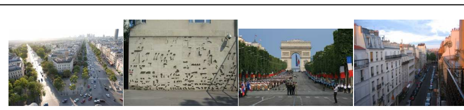

(b) GIST


(c) Tiny Images

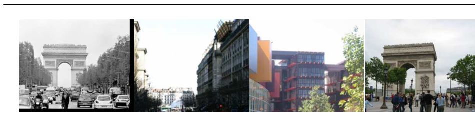

(d) normalized-HOG

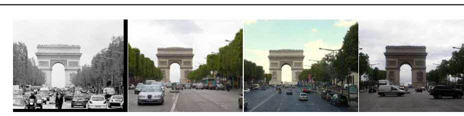

(e) Our Approach

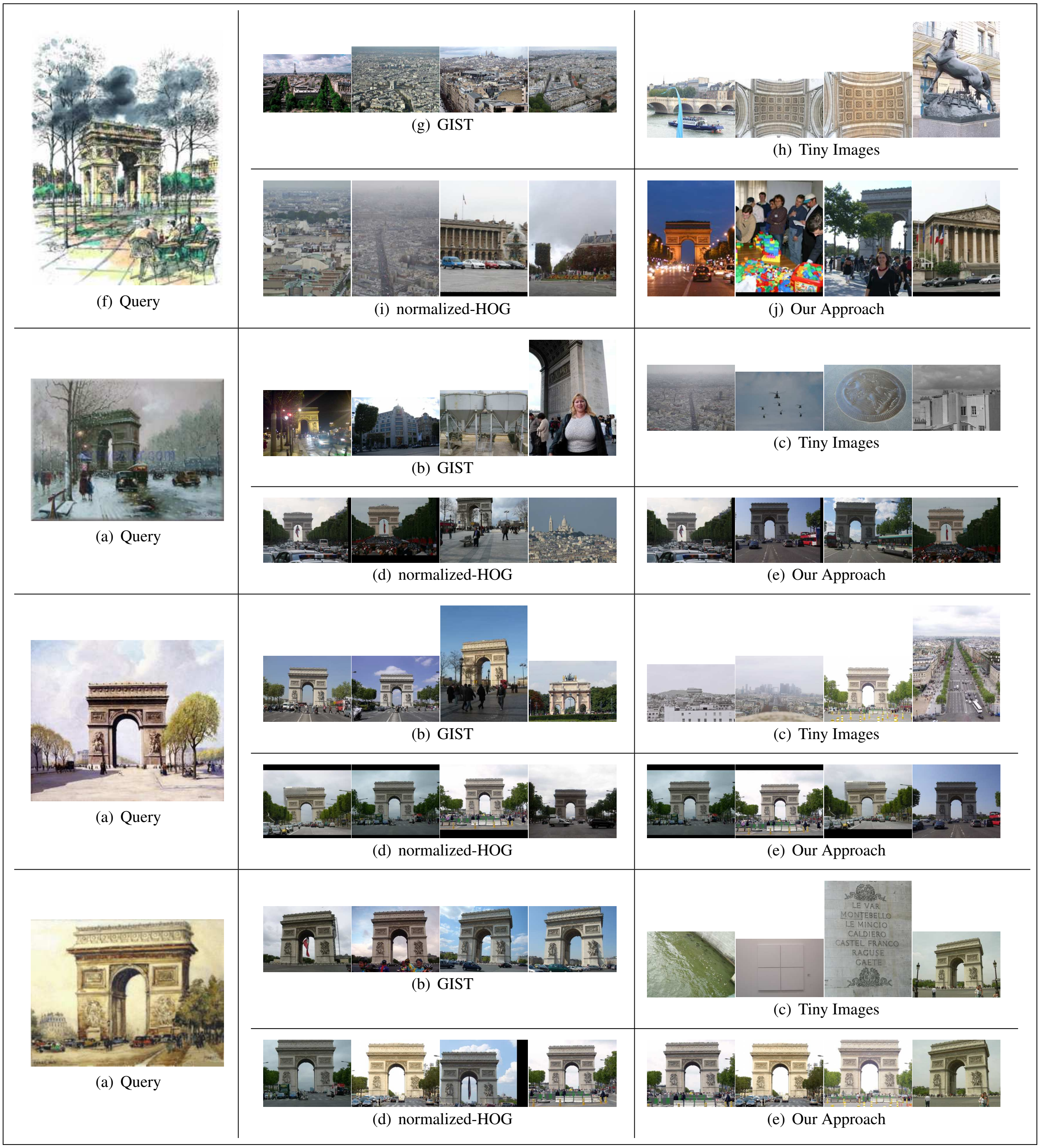

(a) Query


(b) GIST


(c) Tiny Images


(d) normalized-HOG


(e) Our Approach



(f) Query (g) GIST (h) Tiny Images (i) normalized-HOG (j) Our Approach

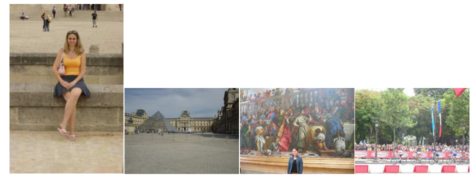
(a) Query (b) GIST (c) Tiny Images (d) normalized-HOG (e) Our Approach

(a) Query (b) GIST (c) Tiny Images (d) normalized-HOG (e) Our Approach

(a) Query (b) GIST (c) Tiny Images (d) normalized-HOG (e) Our Approach

(f) Query

(g) GIST

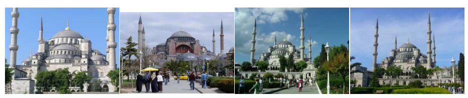


(h) Tiny Images

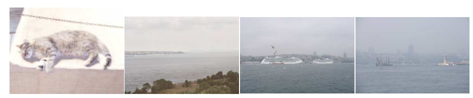
(i) normalized-HOG

(j) Our Approach

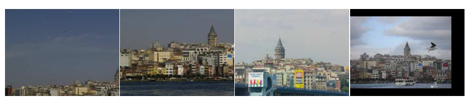
(a) Query



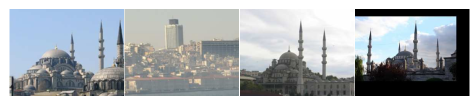
(b) GIST



(c) Tiny Images

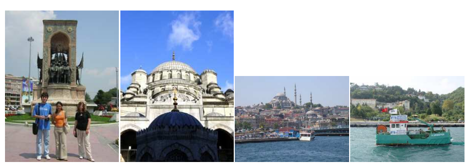


(d) normalized-HOG

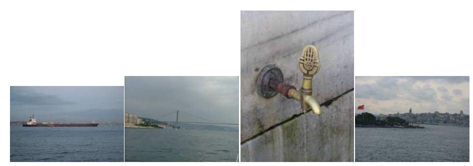


(e) Our Approach

(a) Query



(b) GIST

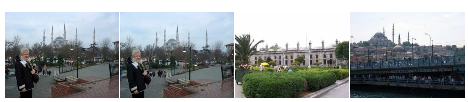


(c) Tiny Images

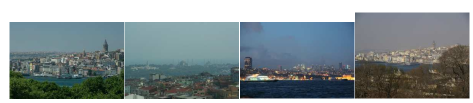
(d) normalized-HOG

(e) Our Approach

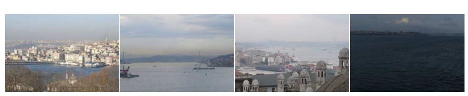
(a) Query



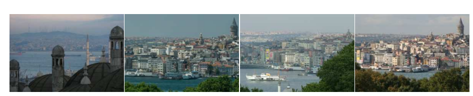
(b) GIST



(c) Tiny Images

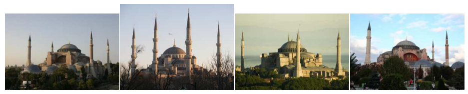


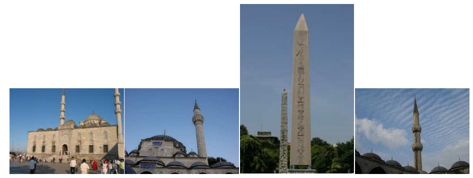
(d) normalized-HOG

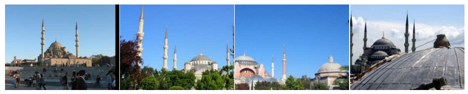


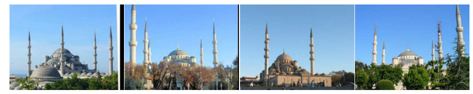
(e) Our Approach


(f) Query


(g) GIST

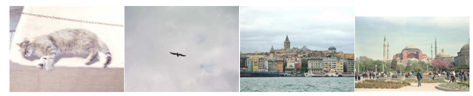

(h) Tiny Images


(i) normalized-HOG

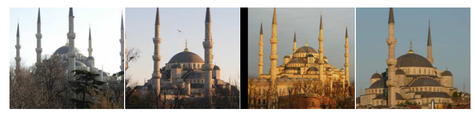

(j) Our Approach


(a) Query

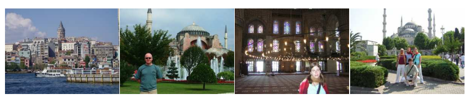

(b) GIST


(c) Tiny Images

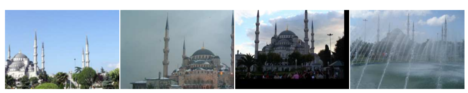

(d) normalized-HOG


(e) Our Approach


(a) Query


(b) GIST


(c) Tiny Images


(d) normalized-HOG


(e) Our Approach


(a) Query

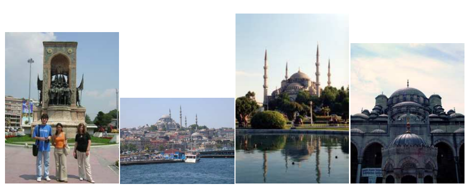

(b) GIST

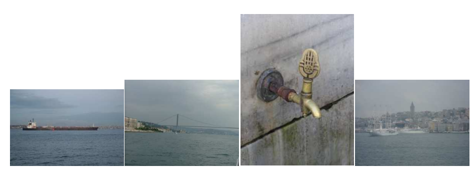

(c) Tiny Images


(d) normalized-HOG

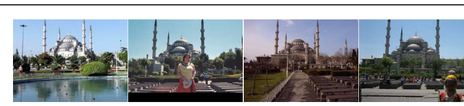

(e) Our Approach


(a) Query

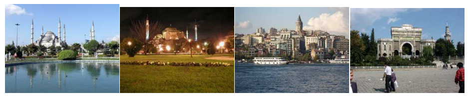

(b) GIST


(c) Tiny Images

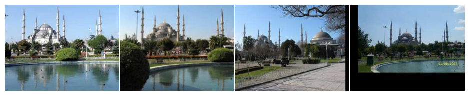

(d) normalized-HOG


(e) Our Approach


(f) Query

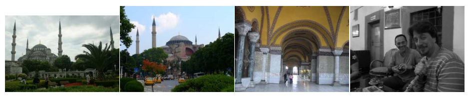

(g) GIST


(h) Tiny Images

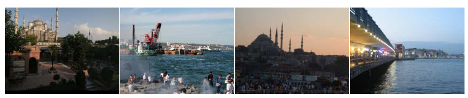

(i) normalized-HOG

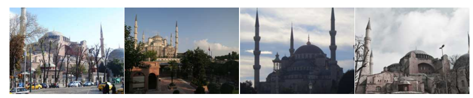

(j) Our Approach


(a) Query

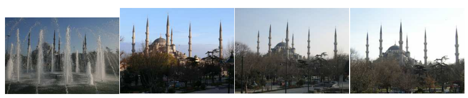

(b) GIST

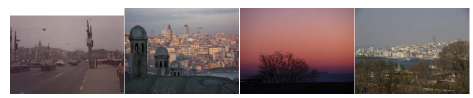

(c) Tiny Images


(d) normalized-HOG


(e) Our Approach


(a) Query


(b) GIST


(c) Tiny Images

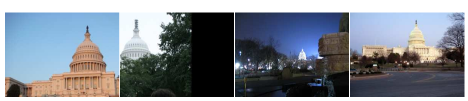

(d) normalized-HOG

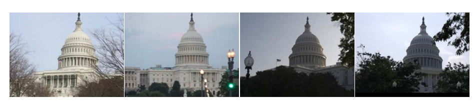

(e) Our Approach


(a) Query


(b) GIST


(c) Tiny Images


(d) normalized-HOG


(e) Our Approach


(a) Query


(b) GIST


(c) Tiny Images


(d) normalized-HOG

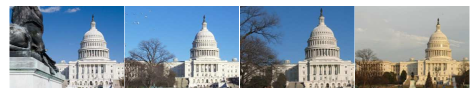

(e) Our Approach

(f) Query

(g) GIST

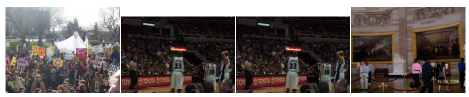
(h) Tiny Images

(i) normalized-HOG



(j) Our Approach

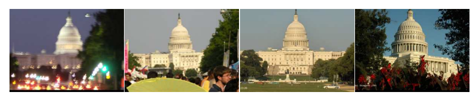
(a) Query



(b) GIST

(c) Tiny Images

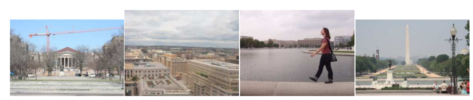
(d) normalized-HOG



(e) Our Approach

(a) Query

(b) GIST



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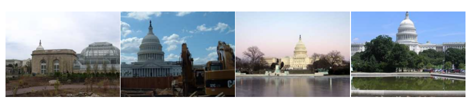

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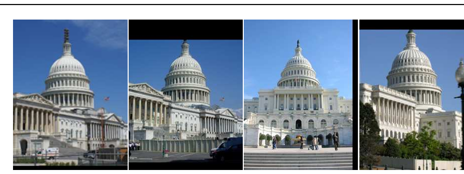

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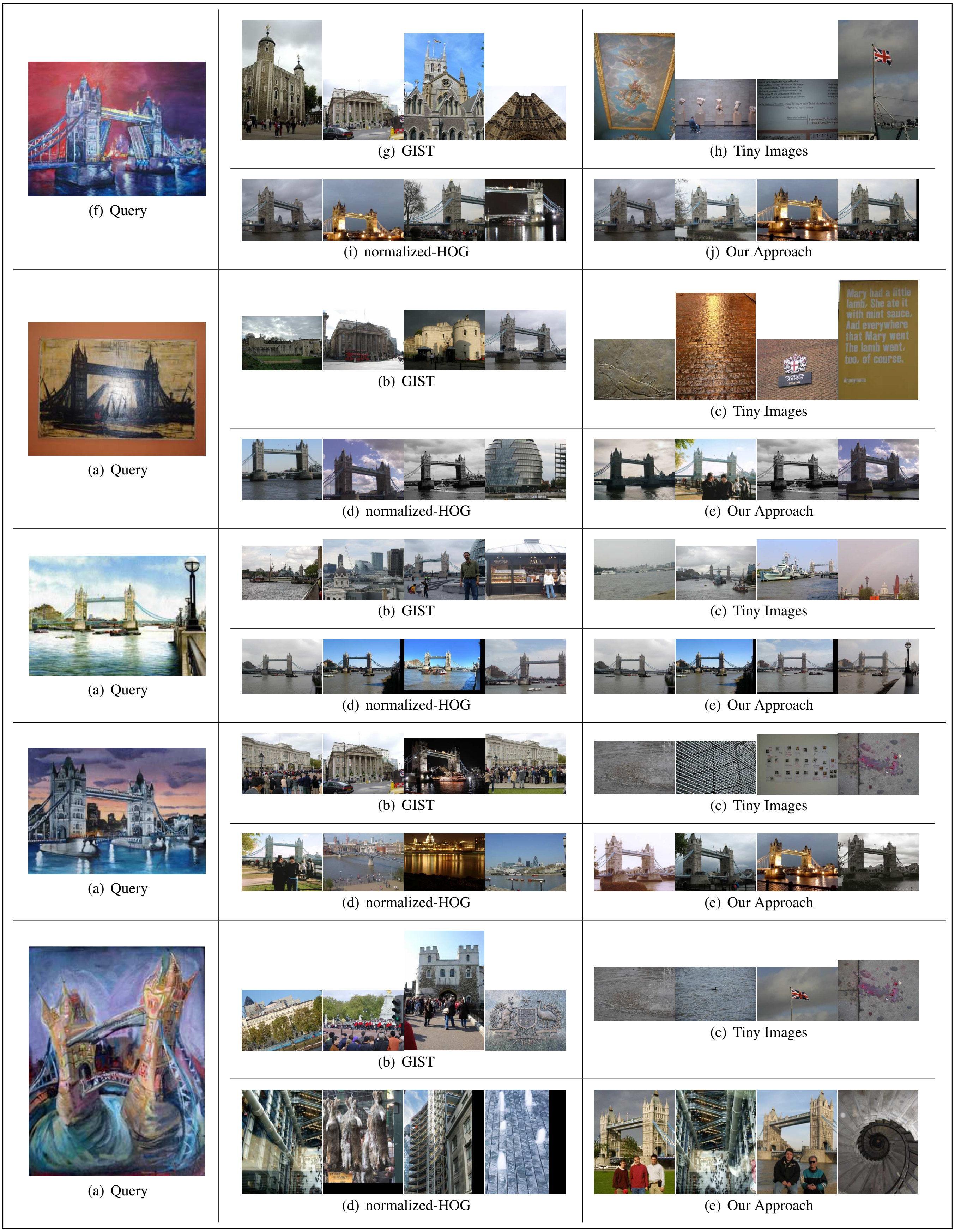

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(a) Query (b) GIST (c) Tiny Images (d) normalized-HOG (e) Our Approach

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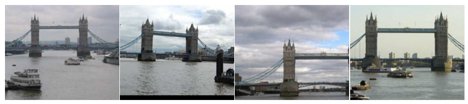
(g) GIST

(h) Tiny Images



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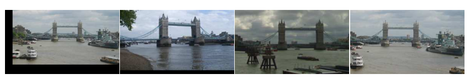
(c) Tiny Images



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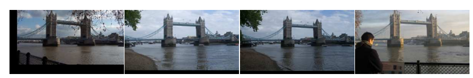

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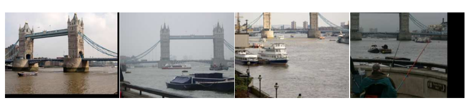

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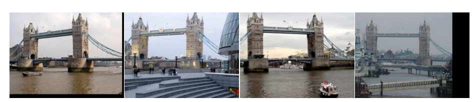

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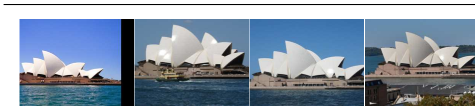

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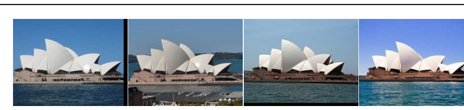

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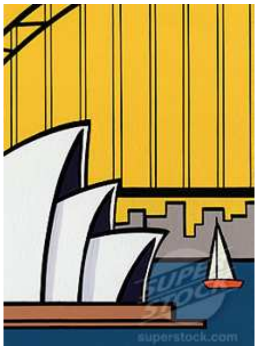

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(g) GIST

(h) Tiny Images

(i) normalized-HOG

(j) Our Approach

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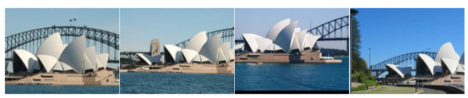
(c) Tiny Images



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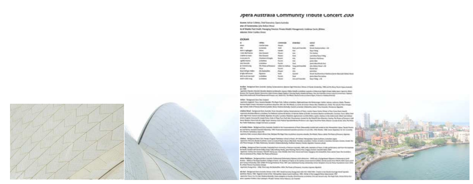

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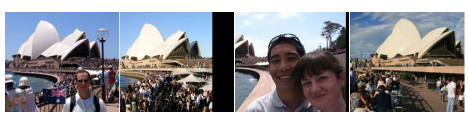

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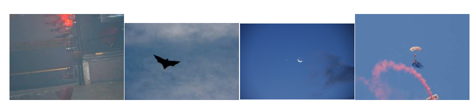

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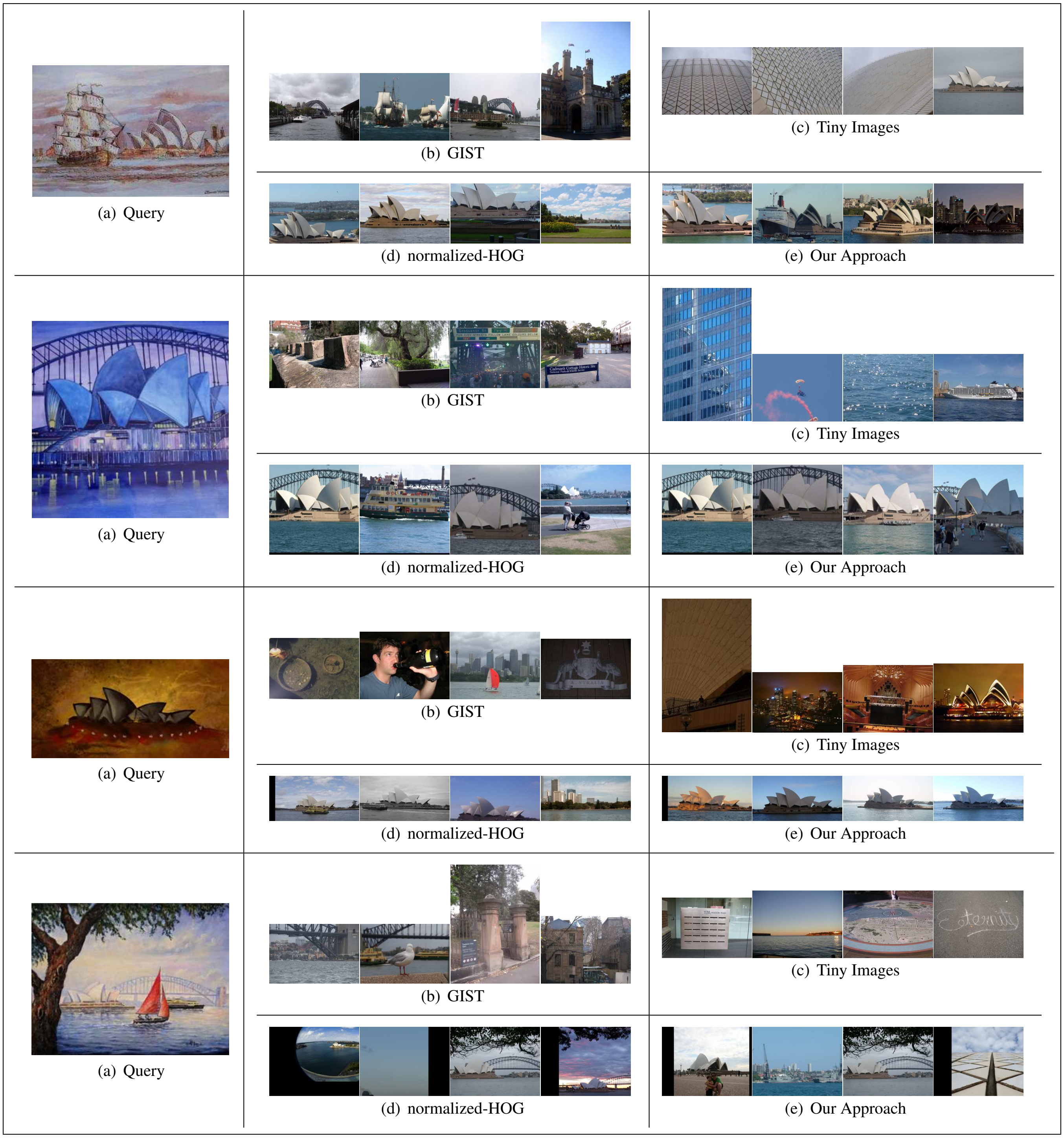

(a) Query
(b) GIST
(c) Tiny Images
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(e) Our Approach

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(e) Our Approach

(a) Query
(b) GIST
(c) Tiny Images
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(e) Our Approach

(a) Query
(b) GIST
(c) Tiny Images
(d) normalized-HOG
(e) Our Approach


(a) Query


(b) GIST


(c) Tiny Images

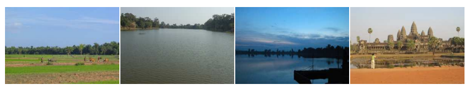

(d) normalized-HOG


(e) Our Approach


(a) Query


(b) GIST


(c) Tiny Images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(e) Our Approach


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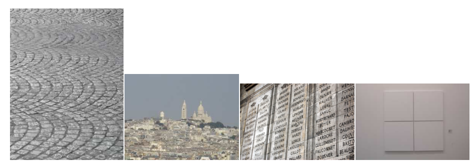
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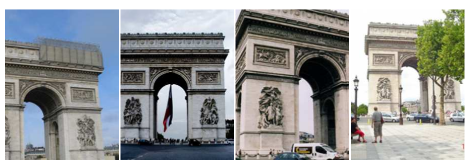
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(e) Our Approach


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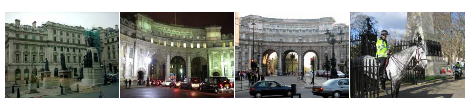
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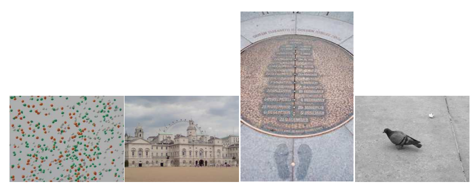
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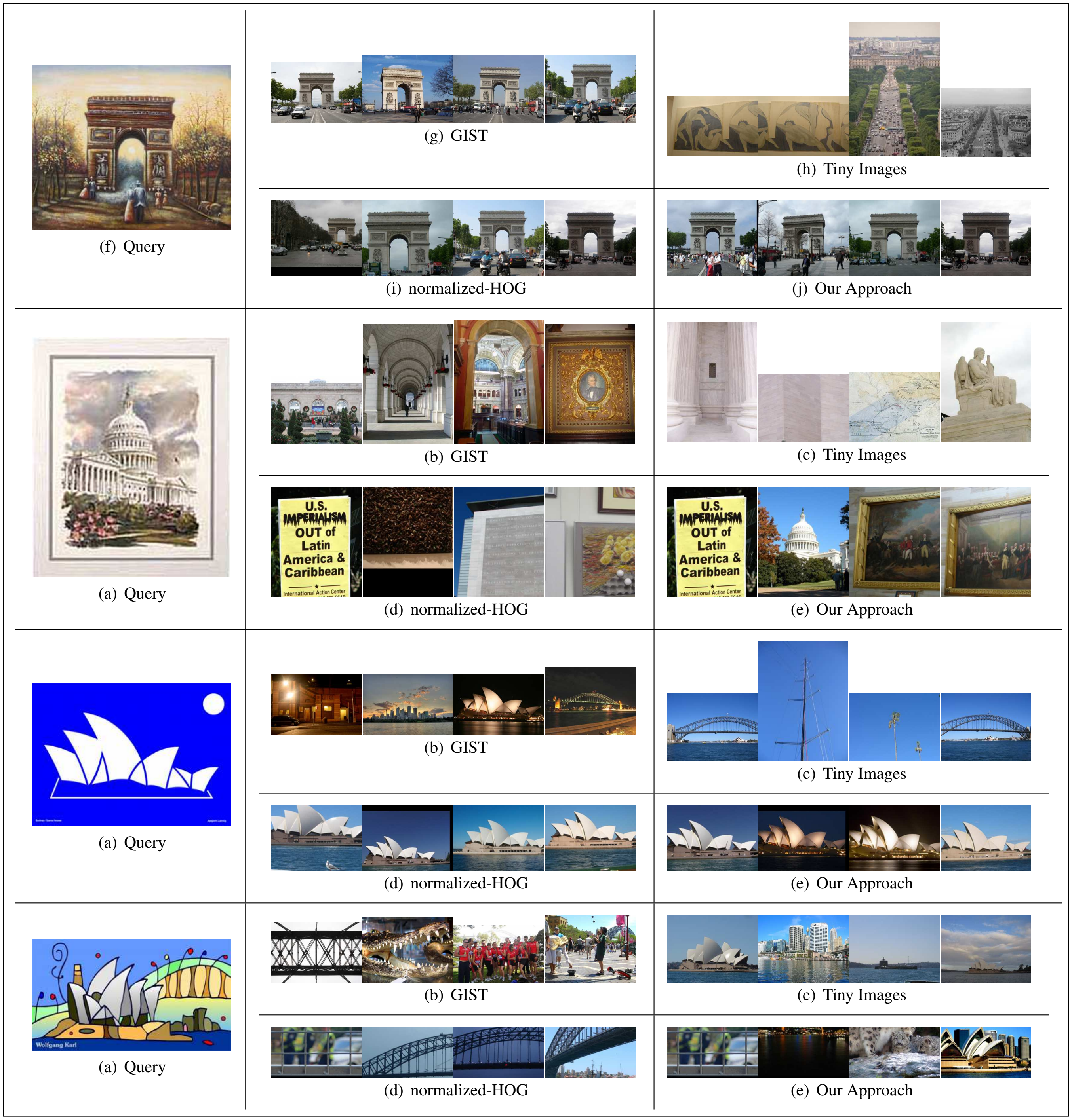

(f) Query (g) GIST (h) Tiny Images (i) normalized-HOG (j) Our Approach

(a) Query (b) GIST (c) Tiny Images (d) normalized-HOG (e) Our Approach

(a) Query (b) GIST (c) Tiny Images (d) normalized-HOG (e) Our Approach

(a) Query (b) GIST (c) Tiny Images (d) normalized-HOG (e) Our Approach

5 Anonymous Submission - Reference 1

Reference 1 (Discriminative Exemplar-based Object Detection and Association) is provided as file reference1.pdf.

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